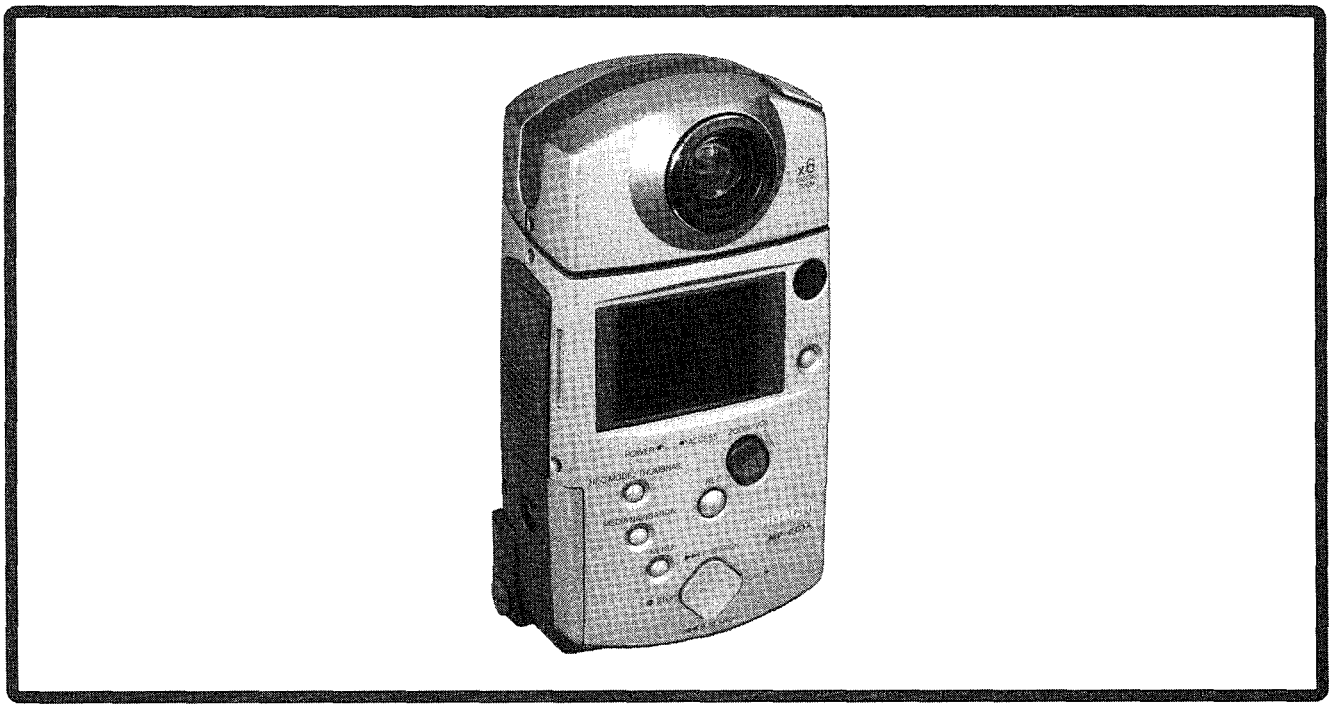
HITACHI

V28522

MPEGCAM™

MP-EG1A

ENGLISH



Instruction Manual

To obtain the best performance and ensure years of trouble-free use, please read this instruction manual completely.

Precaution

■ No water, dust or sand

Be careful that no water, dust or sand enters the MP-EG1A because it may cause trouble and accidents.

■ When you shoot at a scene which contains an extremely bright object such as the sun or a light source, a bright vertical bar may appear in the picture.
Your MP-EG1A is functioning properly, but the solid-state pickup device (C.C.D) usually causes this as an inherent characteristic. Try to avoid shooting an excessive bright object directry.

The liquid crystal display (LCD) panel is made by highly precise technology. More than 99.99% of its picture elements (pixels) are effective, but some (less than 0.01%) may appear as coloured bright dots. This does not indicate a fault as the LCD panel stretches the limits of current technology.

Stored data:
- It is recommended that you store valuable data in your personal computer or other storage devices after each recording.

WARNING: To prevent risk of injury or damage to youpr MP-EG1A and the AC adapter/charger, use only the specified battery and AC adapter/charger.

Battery: MP-BP1A

AC adapter/charger: MP-AC1E

BE SURE NOT TO LEAVE THE MP-EG1A IN A PLACE AT HIGH TEMPERATURE EXCEEDING 60˚C, OR ITS INTERNAL PARTS MAY DETERIORATE. BE CAREFUL NOT TO LEAVE THE UNIT IN THE FOLLOWING PLACES:

* **Inside a car with the window closed and in direct sunshine.**
* **Near heating appliances.**
* **In direct sunshine in summer.**

WARNING: It is permissible to record television programmes only in the event that third party copyrights and other rights are not violated.

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Other company names and product names listed are trademarks or brand names belonging to each company.

Read This First

To guide you, we've included following eight chapters.

- Chapter 1, "Introduction", gives you how to use your MP-EG1A efficiently, and explains the overview of your MP-EG1A.
- Chapter 2, "Set-up", explains how to set up your MP-EG1A for recording.
- Chapter 3, "Recording", explains how to record moving pictures, still pictures, etc. Read thoroughly before starting to record.
- Chapter 4, "Playback", explains how to play back recorded pictures and sound, and search for files you want to play back.
- Chapter 5, "Operating files", explains how to use Media Navigation for arranging recorded files, editing folder for auto play, etc.
- Chapter 6, "Using the MP-EG1A with Other Equipment", explains how to use the MP-EG1A with a TV(NTSC 3.58MHz only) or a personal computer.
- Chapter 7, "Menu Settings", explains how to operate the on-screen menu for desired settings.
- Chapter 8, "Subsidiary Information", shows various information, including what to do when you are in trouble. Refer to each item as needed.

Get to know your MP-EG1A by using this manual, and get to know Hitachi. We appreciate your business.

- The MPEG1 standard is used for the MP-EG1A to handle moving pictures. The playback picture will be slightly rougher, but this does not indicate a fault.
- The MP-EG1A mechanism is configured so the PC card cannot be removed when hot. Wait until it cools down to remove.
- Do not set the CAM/OFF/PLAY switch to OFF when the ACCESS indicator is flashing.
- Be sure to set the CAM/OFF/PLAY switch to OFF once before switching it between CAM (REC) and PLAY.

Quick Index

We want this manual to be as helpful as possible, so it includes two easy ways to find the information you need:

- A quick index for the information you use most often (this page).
- A detailed table of contents directing you to specific information quickly (page 7).

Charging Battery Pack 18
Recording Moving Pictures 29
Playing Back the File Just Recorded 38
Connecting to TV and Viewing Playback Pictures 66
Connecting to Your Personal Computer 68

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Cautions When Using

Any problems that occur as a result of any of the following conditions will not be covered by our warranty.

Handle the LCD screen with care:

- Do not apply force to the screen surface, as this could cause cracks, scratches or unevenness in display. Any unevenness in display will disappear on its own when power is turned off, and then on again after a brief wait.
- Do not place the MP-EG1A with its LCD screen down.

Do not allow dust or sand to enter the unit!

- Store the batteries in a place beyond the reach of children.
- Be careful that no sand splashes on the unit when using it on a beach. This could cause malfunctions.
- Be careful that no dust or sand enters the unit when using it outdoors on windy days. This could cause malfunctions.
- Do not place the unit directly on sand, as this could cause malfunctions

Do not point directly at the sun:

- Handle the unit with care so that sunlight does not enter the lens directly. This could cause malfunctions
- Do not leave the unit with the LCD screen exposed to direct sunlight. This could cause malfunctions.

Do not wipe unit case with benzene or thinner:

- The coating of case could peel off or the case could deteriorate.
- Use chemical cleaning cloth, following the instructions for use.

Do not use the unit near an operating radio or TV:

Noise could appear on the TV screen or noise could enter the radio sound.

Do not use unit in extremely hot or cold places:

- Be sure not to leave the MP-EG1A in a place where the temperature exceeds 60°C, or the pickup device may be damaged.
- Normal recording or playback may not be possible if you use it at temperatures over 40°C or under 0°C

Do not apply shocks:

- Take care that you do not strike the unit against anything or drop it. This could cause malfunctions.
- When you are using the unit on the provided stand, do not depress unit with force from top, as the stand could break.
- Do not expose the unit to shocks during recording, or the file being recorded will not be stored.

Do not use the unit near strong radio waves or magnetism:

Do not use the unit near objects generating radio waves or electric appliances with motors. This could cause malfunctions.

Do not use the unit for a long uninterrupted period of time:

This unit is designed and produced for home-use recording and playback. Do not use it for a long time continuously as a surveillance camera/monitor, as this could cause malfunctions. If you use it for a prolonged time, the temperature at unit surface will rise, but this does not indicate a fault.

No water!

This unit does not have a water-resistant structure. Be careful that it is not exposed to rain or water splash. This could cause malfunctions.

Also read the instructions attached with optional accessories.

When you use optional accessories with this unit, follow the cautions on them and the instruction manuals attached.

Loading Batteries

NOTES:

- When replacing the battery, use 3V micro lithium battery CR2025.
- Danger of explosion if battery is incorrectly replaced.

This product uses the lithium battery which contains dangerous chemicals. Handle and dispose of with great care.

WARNING:

- Keep the battery away from children and pets. If swallowed consult a physician immediately for emergency treatment.
- Keep the battery in a dark, cool, dry place.
- Do not throw the battery in a fire.
- Do not short circuit the battery.
- Do not disassemble the battery.
- Do not hold the battery with the metallic tweezers.
- Do not re-charge the battery.
- Wipe the battery with dry cloth and set properly confirming ends (+,-).
- After use please bring back to retail shop.

Warning for disposal in U.K: Place in a plastic bag and put in waste bin.

Compensation for recorded contents:

If the unit or PC card becomes faulty during use and no recording is possible on PC card or playback from it, we will not be responsible for compensation for your lost recordings.

Make a trial recording before recording important events:

If recorded data is erased because the unit malfunctions, the data cannot be restored.

Copyrights:

You cannot use recordings of copyrighted materials for purposes other than for your private enjoyment, without permission of their rightful owner.

Be careful of Moisture Condensation

Condensation:

When a heater is used in your room in a cold season, windowpanes will be frosted. This is because vapour in air indoors is cooled rapidly and moisture is formed. This is referred to as condensation.

Condensation occurs:

When you move unit from a cold place to a warm place abruptly, such as when you enter a lodge from a ski slope; When you place the unit in a room in which heating has just begun or in a place where cool air strikes unit directly; When you move the unit outside from a cooled room or vehicle in a hot season.

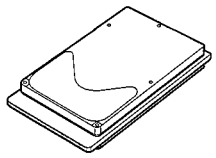
When condensation occurs:

Leave unit in a place as dry as possible for about one hour before using it.
When moisture condenses on the lens, a clear picture cannot be recorded. Start recording after condensation of the lens has been removed.

Checking the Provided Accessories

Make sure you have following :

PC Card
(MP-HD260)

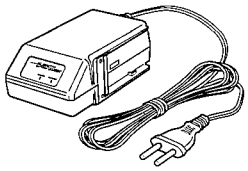


A 260MB hard disk. This stores video and audio data

Battery pack × 2
(MP-BP1A)

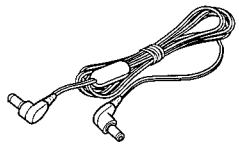
The portable power supply of the MP-EG1A Charge before use (See page 18)

AC adapter/charger
(MP-AC1E)



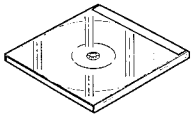
To charge battery pack, etc (See page 18)

DC power cord



Connect this to the AC adapter/charger to power the MP-EG1A from AC outlet (See page 20)

CD-ROM



Stores various applications, etc

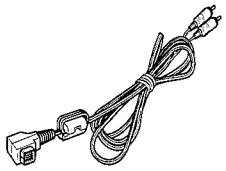
Remote control
(MP-RM1A)

(See page 25)

Lithium battery
for remote control (CR2025)

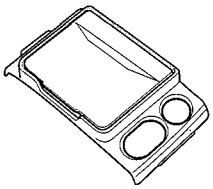
WARNING Keep this battery away from children. If swallowed, consult a physician immediately for emergency treatment.

Audio/video cable



To connect the MP-EG1A to TV (NTSC 3 58MHz only).

Sunshade for LCD screen

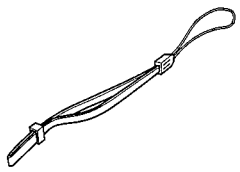


Attach this to the MP-EG1A so that you can see the LCD screen easily.

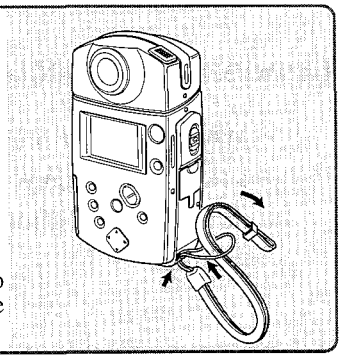
Stand

Used when connecting the MP-EG1A to another device and operating it.

Wrist strap



Attach to the MP-EG1A to hold it as shown in the figure on right.



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Chapter 1

Introduction

This section gives you how to use your MP-EG1A efficiently, and explains the overview of your MP-EG1A. Before using it, read this section thoroughly.

Features 10

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Features

A Variety of Recordings

One MP-EG1A allows you to record in three ways - moving picture (with audio), still picture, and still picture with audio. Your recordings are stored in PC card*3 instead of videotape or film, as a video file*1 and audio file*2. Usual operation is similar to a usual camcoder.

Recording moving pictures:

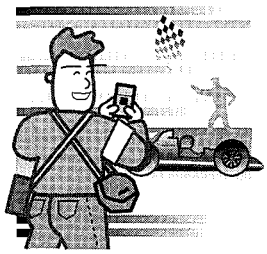
You can record joyful events and sports as you use a usual camcorder.

MPEG1 Format

Recording a still picture or consecutive still pictures:

You can record a still picture just as you would use an ordinary still camera. If you record moving subjects in consecutive still picture made, you will not miss a crucial chance.

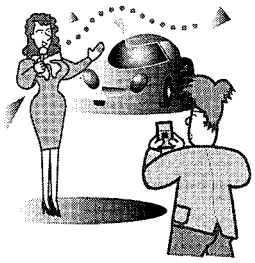
JPEG Format



Recording a still picture with audio:

You can add narration to a still picture for JPEG and MPEG Audio. This function is useful if you want to attach voice to a still picture.

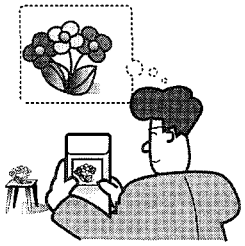
JPEG + MPEG Audio



Playback to View Recordings

Viewing on the LCD screen:

You can immediately see the video just recorded on the built-in 1.8" liquid crystal display (LCD) screen.



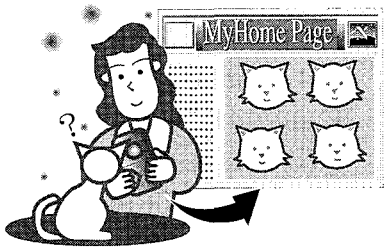
*1: MPEG 1 format, JPEG format
*2: MPEG Audio
*3: PC card (MP-HD260), exclusively for MP-EG1A

A Variety of Uses

Presentation by using application software:

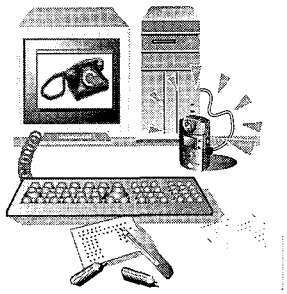
Microsoft® Office 97 (PowePoint® 97, Word 97, Excel 97), Microsoft® Access etc.

For creating multimedia contents and materials for Internet homepage or Intranet Lan:



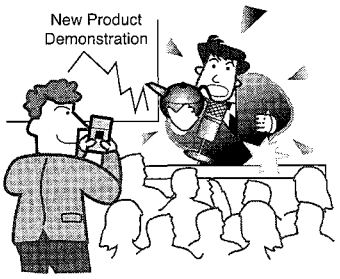
Because being stored in file, it is easy to send files in a personal computer. This is most suitable for creating multimedia contents and materials for Internet home page. You can use the stored video file in a variety of joyful ways such as wallpaper for your computer.

Playback and edit the files on your personal computer:



Transfer files to your computer (see page 69), and you can view them with computer software and edit the files with the bundled software.

For gathering materials:



You can choose the recording mode to suit the material, such as recording moving subjects with a motion picture mode adding a narrative with recording still picture when recording commodities, etc.

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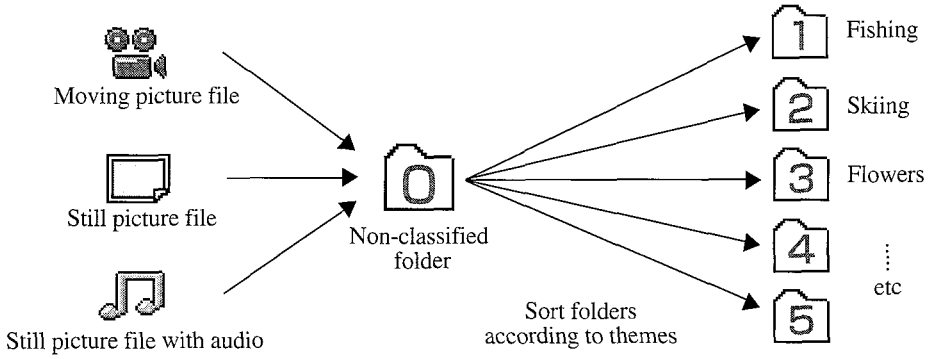
Operating Files

In PLAY mode, you can use the file management function, Media Navigation, which is provided with the MP-EG1A, to operate files. Here is a brief explanation of Media Navigation:

File and folder

The MP-EG1A records moving pictures, still pictures and a still picture with audio, and stores each as gathering of data. Gathering of data is referred to as a file.
Files are stored in a folder to be managed. Media Navigation provides six folders with numbers 0-5, and recorded file is securely stored in any of the folders (🗀). Folder 0 is referred to as "non-identified folder" and all recorded files are stored in this folder temporarily.
Folders 1-5 have no files at first. You can use Folder 1-5 to arrange files.

* To move files to another folder, refer to "Transferring Files to Another Folder" (see page 48).



* Folder names (fishing, Skiing, etc) shown in the above figure will not appear on the Media Navigation screen.

Arranging files in folders with themes

When you have decided the theme of each folder, move the file from non-identified folder (folder 0) to designated folder and arrange (see page 48). Delete unnecessary files (see pages 50 and 51).
If you arrange files in folders this way, you can easily locate desired files.

Editing files for auto play

The MP-EG1A can automatically play back files collected in a folder in your designated (See page 58) order, like the program play with a CD player. Collect a moving picture, still picture and a still picture with audio in a folder under a theme you want (see page 48), and sort them (see page 56). Now, you can automatically play back the folder as a completed work.

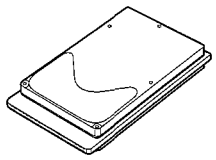
* Titles (Winter in New York, etc) shown in the above figure will not appear on the Media Navigation screen.

The section "File Management (Media Navigation) " on page 43 will describe the method for performing the above procedures, etc., using Media Navigation.

PC Card

What is a PC card?

The MP-EG1A stores video and audio data in a hard disk, which is referred to as a PC card in this text.



MP-HD260 PC card

Maximum time and number of pictures PC card can store

The MP-HD260 can store:

Moving picture:	approx. 20 minutes
Still pictures:	approx. 3,000 shots
Still picture with audio:	approx. 1,000 shots with each 10sec. audio

* The number of still pictures that can be stored may decrease as their video scene contents become more complicated. The recordable time of still picture with audio is the maximum time when one still picture and audio only are stored. Use the above storable time and number of stills only as a reference.
* MP-HD260 is already formated. It is not necessary to format.

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Cautions When Using PC Card

For safety, be careful of the following:

CAUTION

- **Do not bring PC card near fire or throw it into fire; it may explode, causing injury or burns.**
- **Do not disassemble or modify the unit by yourself. This could cause fire or electric shock.**
- **To prevent damage by static electricity, touch metal (door knob, windows frame, etc.) with your hand to discharge it, before handling the unit. Static electricity from the human body could damage the unit.**

Generally available PC cards:

Do not use PC cards other than the MP-HD260. We cannot guarantee their operation.

Handle PC card with care as follows to prevent malfunctions or erasure of data :

- Do not bend the PC card, apply force, allow it to be subject to shocks or drop it
- Do not use or store in a place where static electricity or magnetic or electric noise is likely to occur.
- Do not use or store where temperature and/or humidity are high, in a dusty place, or under highly corrosive environments.
- Be careful that no dust or foreign object enters through the connector
- Do not pull out the PC card, unplug the DC power cord or remove battery during recording or playback. The file being recorded will not be stored, or the stored file could be destroyed.

Removing the PC card:

- Lay the unit on its back, with the LCD screen facing up, then remove the PC card from the bottom. Do not put the bottom face down to remove; you could drop the PC card.
- When the unit is continuously used for a long time, the PC card will generate heat and its temperature will increase. For safety, the PC card eject lever is locked when the temperature of PC card exceeds the specified one, and it cannot be removed. If the lever is locked, set the CAM/OFF/PLAY switch to OFF and wait for a while. After the temperature drops, the lever will unlock, and you can remove the PC card.
- When the CAM/OFF/PLAY switch is set to CAM or PLAY, the eject lever will not work. To remove the card, check to see if the switch is set to OFF, with the unit powered by the charged battery in it or the AC adapter/charger connected to AC outlet.
- When the unit is powered by the AC adapter/charger, do not unplug the DC cord from unit or AC adapter/charger from AC outlet, with the CAM/OFF/PLAY switch set to CAM or PLAY; you cannot remove PC card. Before unplugging them, make sure that the switch is set to OFF.
- When the PC card eject lever does not work because the unit is not powered by the battery or AC adapter/charger, turn on the unit, set the CAM/OFF/PLAY switch to OFF and then unlock the lever.

Stored data:

- It is recommended that you store valuable data in your personal computer or other storage devices after each recording.
- The recorded data may be erased when the PC card is affected by electric noise or becomes faulty or is repaired, or if you or your friends make a mistake in using the unit. We cannot accept any responsibility of compensating for damages due to erasure of recorded data.

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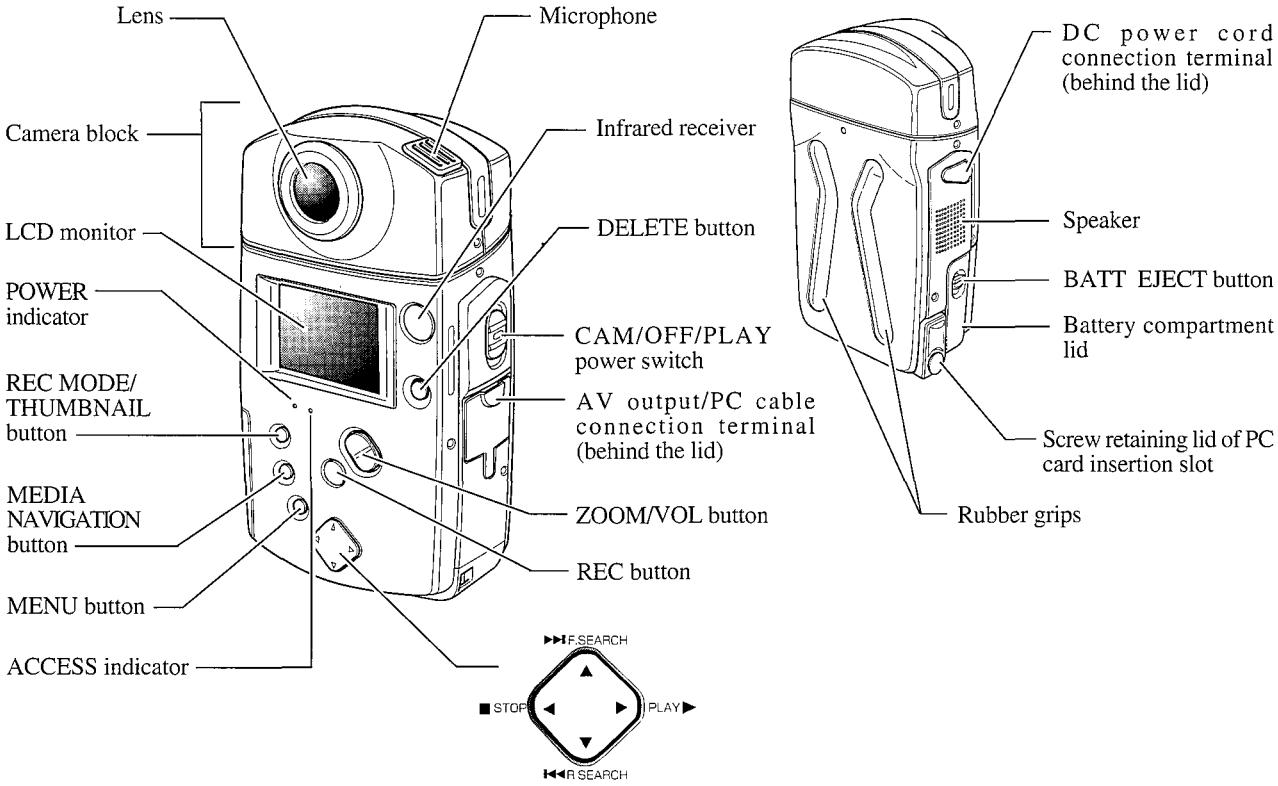
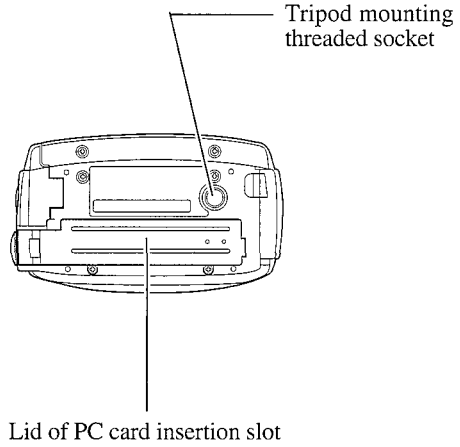
Names of Each Part

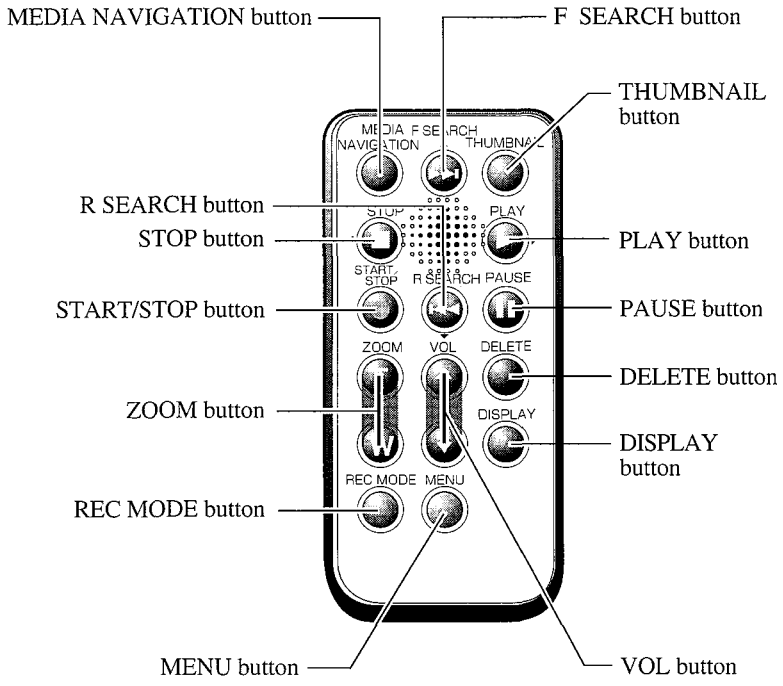
Front View



Bottom View



Remote Control



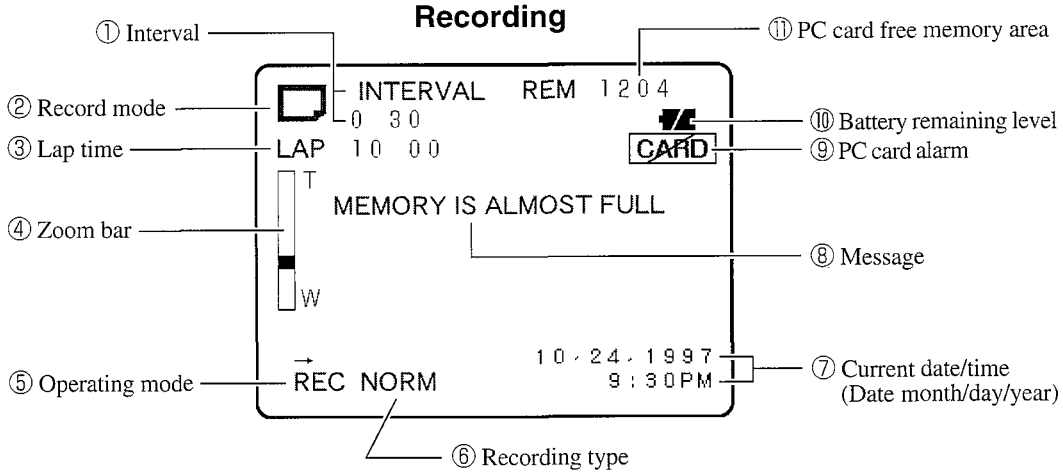
Viewing the On-Screen Display

Various types of information appear on the LCD monitor. Here are meaning of each indication and how to interpret them.

* Note that all the following indications do not appear at the same time.
* Although a colour text appears on the built-in LCD monitor, a white text appears on the TV screen.

[REC MODE]

On-Screen Display during Recording



① **INTERVAL:** Appears during still picture recording mode if the interval has been set (see page 74). This indicates the interval at which still pictures are recorded and can be set to 30 seconds, 1 minute or 5 minutes (see page 32). If this indicator does not appear, normal still picture recording will be engaged.

② **Record mode:** This indicates the current recording file type which can be switched by pressing the REC MODE/THUMBNAIL button. You can select one of four modes.

: Moving picture (MPEG1 Format)
· Still picture (JPEG Format)
: Consecutive recording of still pictures (JPEG Format, 2 pictures/sec. and 5shots)
· Still picture with audio (JPEG Format and MPEG Audio)

③ **Lap time :** This appears when you select moving pictures or still picture with audio, and indicates the elapsed time since the REC button was pressed.

④ **Zoom bar :** This appears when the ZOOM/VOL button is pressed during recording, and indicates how the zoom is engaged in 10 settings from W (wide) to T (tele). The magnification in the optical zoom range is shown in white and that in the digital zoom in yellow.

If zoom is pressed, the zoom bar will be displayed for three seconds even when the indicator "OFF" appears in the on-screen display (see page 78).

⑤ **Operating mode :** This indicates what mode the MP-EG1A is in currently - recording, playback, etc. - with letters and symbols. See "Operating Mode Indicators" (on page 16) for details.

⑥ **Recording type :** This indicates the function of the REC button during recording.

NORM : Recording starts when REC is pressed and stops when it is pressed again.

CLIP : Recording continues while REC is held and stops when it is released.

The REC button function is set to NORM at the factory. You can switch it to CLIP with the menu (see page 72)

⑦ **Current date/time :** The current date and time appear during recording If incorrect date and time appear, correct them (see page 22).

⑧ **Message :** Appears as required

⑨ **PC card alarm :** This appears when a PC card is not inserted or non-usable card is inserted.

⑩ **Battery remaining level :** This indicates the battery remaining level with graphics.

: Full charge (lights white)
: Middle level (lights white)
: Low level (flashes white)

Charge the battery in the low level (see page 18).

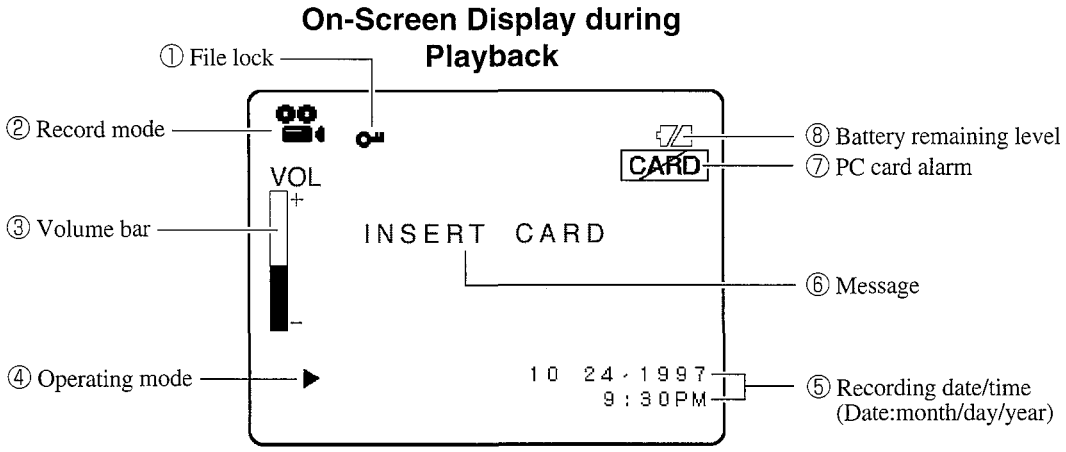
Connecting the AC adapter/charger causes the middle indicator to light. ( )

⑪ **PC card free memory area :** This indicates the free memory area on PC card for recording in terms of recording time left or the number of recordable still pictures.

[PLAY MODE]

* Note that all the follwing indications do not light at the same time.

* Although a colour text appears on the built-in LCD monitor, a white text appears on the TV screen.



① **File lock :** Appears when the file being played back is set to the inhibit state of deletion (see page 54).

② **Record mode :** This indicates the type of file which is being played back.

③ **Volume bar :** Appears when the ZOOM/VOL button is pressed during playback and indicates the current volume level.

⑤ **Recording date/time :** This indicates the recording date/time of the file being played back. The displayed date/time cannot be updated during playback.

⑧ **Battery remaining level :** During playback this appears only in the low level graphic flashes.

Operating Mode Indicators

The operating modes are displayed with the following letters and symbols and in colours, indicating the MP-EG1A operations:

Letters/symbols indicated	Colour	Operation
REC	Red	Recording (shooting)
PAUSE	Green	Recording pause
▶	Green	Playback (disappears after 5 seconds)
AUTO▶	Green	Auto play
II	Green	Play pause
▶I	Green	Location of start: Forward search
I◀	Green	Location of start: Reverse search
■	Green	Stop (disappears after 5 seconds)

Chapter 2

Set-up

This section explains how to set up your MP-EG1A for recording. Before you start to record, be sure to read the section thoroughly.

Charging battery pack 18

Loading the battery pack 19

Using power supply from AC outlet 20

Loading the PC card 21

Setting the date and time 22

Inserting battery into the remote control 25

Tips for skillful use of the MP-EG1A 26

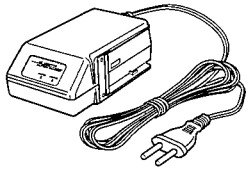
Charging Battery Pack

The battery pack is the portable power supply of the MP-EG1A. Charge before use.

When the battery remaining level indicator ⚠ flashes white, you need to re-charge the battery pack. See "Removing the battery pack" instruction (on page 19). A fully charged battery pack powers the MP-EG1A for about 40 minutes.

Battery pack
(MP-BP1A)

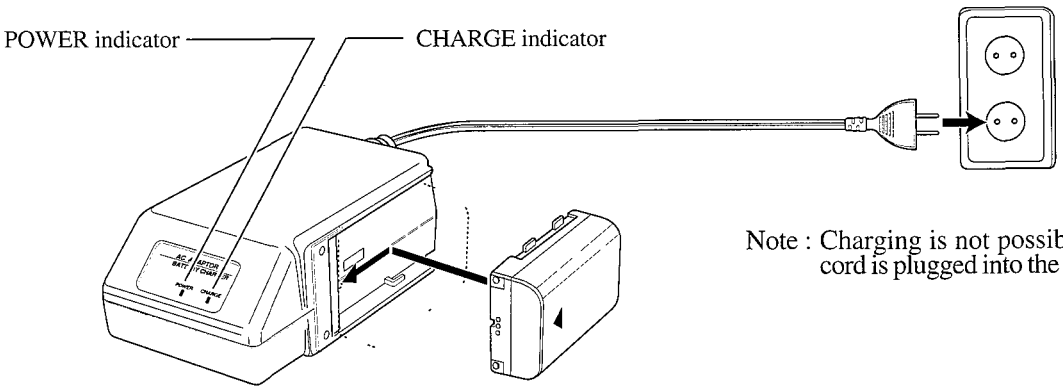
AC adapter/charger
(MP-AC1E)



Caution : Be sure to use the specified MP-AC1E AC adapter/charger to charge the battery pack.
If you use AC adapter/chargers other than the MP-AC1E, heat generation, damage, fire, leakage of liquid, etc. could result.

1 Plug the AC adapter/charger into an AC outlet.

The red POWER indicator will light.



Note : Charging is not possible if the DC power cord is plugged into the AC adapter/charger.

2 Attach the battery pack.

The green CHARGE indicator will light and charging will start. Continue charging the battery pack until the indicator goes out. Charging will be finished in about 100 minutes. After charging is finished, unplug the AC adapter/charger from the AC outlet, and then remove the battery pack from the AC adapter/charger.

See the bottom of the AC adapter/charger. The rating label is located on the bottom of the AC adapter/charger.

Skillful use of battery pack

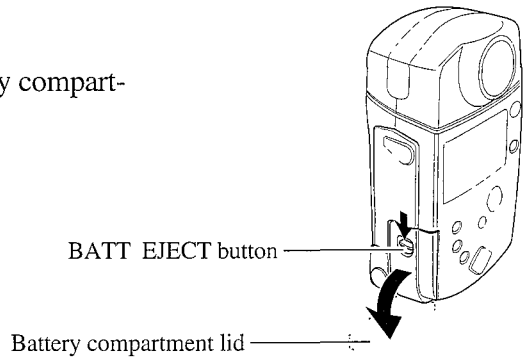
See "Tips on Battery Pack" on page 86.

Loading the Battery Pack

Load the battery pack in the MP-EG1A by the following procedure:

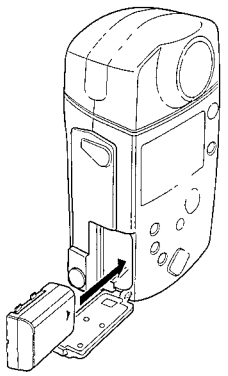
1 Open the battery compartment lid.

Press the BATT. EJECT button downward. The battery compartment lid will open.



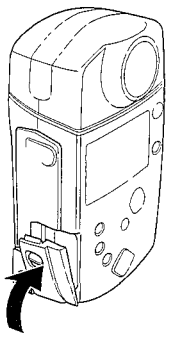
2 Load the battery pack.

Load the battery pack in the direction of the arrow until it is fixed securely.



3 Close the battery compartment lid.

* If the battery pack is not inserted correctly, the lid will not close completely. If this happens, re-insert the battery pack correctly.

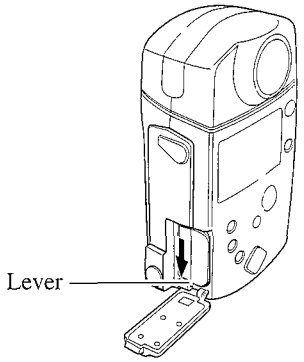


Removing the battery pack

Press the BATT. EJECT button downward to open the lid and push the lever in the direction of the arrow. The battery pack will be ejected by spring force.

* Do not drop the battery pack when removing it; this could result in malfunction.

* Do not remove the battery pack during recording or playback. If it is removed during recording, file will not be recorded.

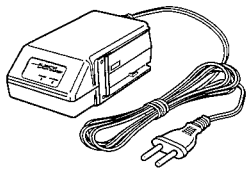


ENGLISH

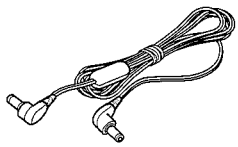
Using Power Supply from AC Outlet

You can also use power supply from any AC outlet.

AC adapter/charger
(MP-AC1E)

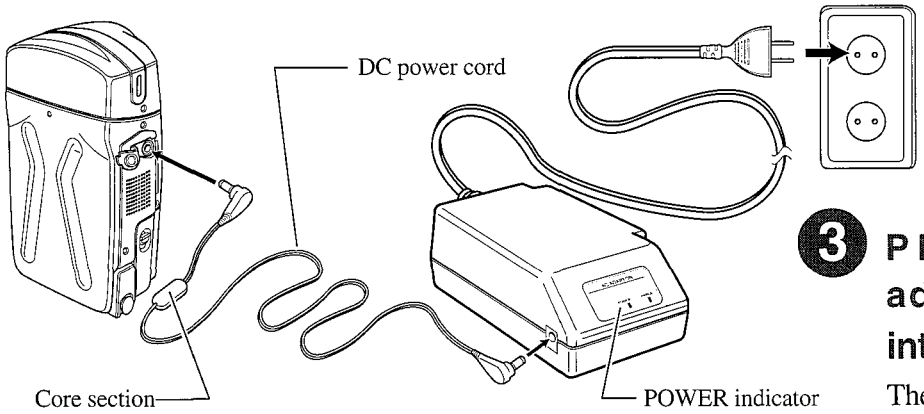


DC power cord



Caution : Be sure to use the specified MP-AC1E AC adapter/charger to use power supply from AC outlet. If you use AC adapter/chargers other than the MP-AC1E, fire or electric shock could result.

1 Set the CAM/OFF/PLAY switch to OFF, and connect one end of the DC power cord to the DC IN jack of the MP-EG1A.



2 Connect the other end of the DC power cord to the DC output jack of the AC adapter/charger.

See the bottom of the AC adapter/charger. The rating label is located on the bottom of the AC adapter/charger.

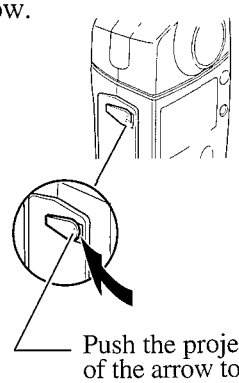
3 Plug the AC adapter/charger into an AC outlet.

The red POWER indicator will light.

If the POWER indicator does not light :

If the POWER indicator of the AC adapter/charger does not light, unplug the AC adapter/charger from the AC outlet. Wait about 30 seconds, and try again to plug it into the AC outlet. If the POWER indicator still does not light, it is possible that the AC adapter/charger is faulty. Unplug the AC adapter/charger from the AC outlet and consult the store where you purchased the MP-EG1A.

After use, close the lid for DC power cord connection terminal, referring to the figure below.



Push the projection in the direction of the arrow to close the lid.

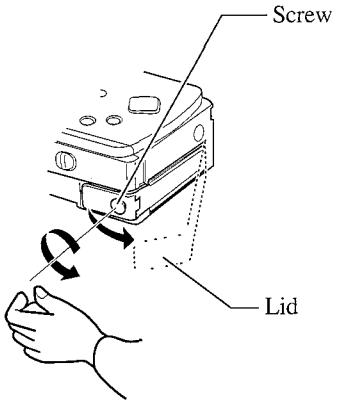
Loading the PC Card

Set the CAM/OFF/PLAY switch to OFF before inserting or removing the PC card.

* Do not use PC cards other than that specified (MP-HD260).
* Do not attempt to attach an adhesive tag, etc. to the PC card to remove it easily. If the PC card is removed while the MP-EG1A is operating, it could result in malfunction.

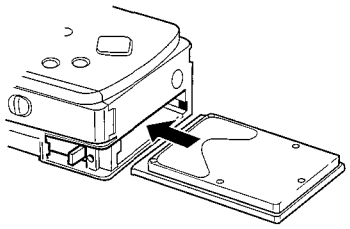
1 Open the lid of the PC card insertion slot.

Loosen the screw and remove the lid.



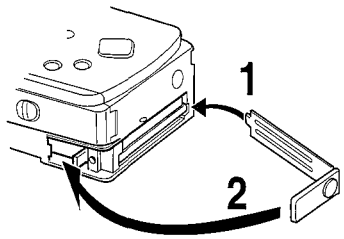
2 Insert the PC card.

With the card surface up, insert the PC card until it is fixed securely into the slot.



3 Close the lid of the PC card slot.

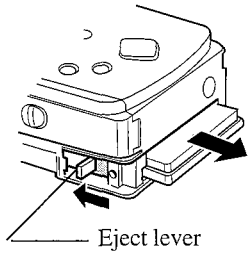
Attach the lid over the slot and screw up.
(Use fingers to screw up when you close the lid of the PC card slot.)



Removing the PC card

Set the CAM/OFF/PLAY switch to OFF and loosen the screw to remove the lid. Lay the MP-EG1A on its side in a horizontal place and push the eject lever. The PC card will be removed.

* Be careful not to drop the PC card as this could damage it.



When the eject lever does not move.

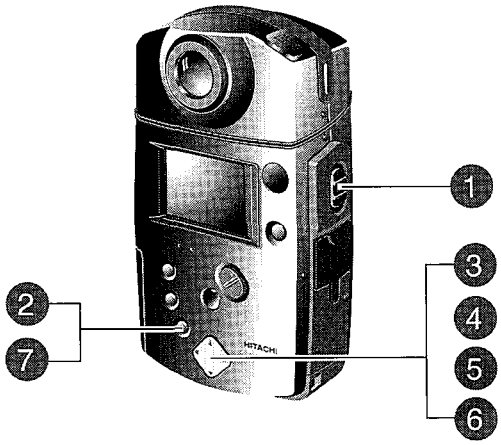
See "Troubleshooting Guide" on page 91, or check the following two items:

- If the CAM/OFF/PLAY switch is set to CAM or PLAY, the eject lever will not move. Set it to OFF, and power the MP-EG1A from the charged battery pack or AC adapter/charger.
- If the PC card becomes hot after the MP-EG1A is used for a long time, the eject lever will not work even if the CAM/OFF/PLAY switch is set to OFF, for safety reasons. In this case, leave the MP-EG1A as it is for 10-20 minutes to cool the PC card. When the temperature is low enough, the eject lever can be operated.

Setting the Date and Time

The recorded video/audio data management will be performed with the date and time you set when you started to record.
Use the following procedure to set the MP-EG1A's internal clock to the current date and time correctly:

* You can also use the remote control to set the date and time.



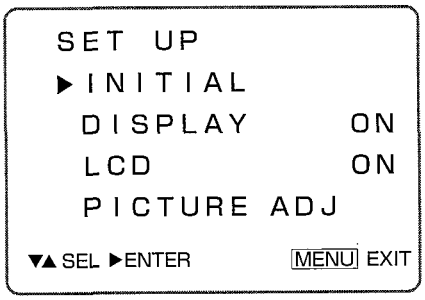
1 Set the CAM/OFF/PLAY switch to CAM.

Hold the red button at the centre of switch, and then set the switch to CAM.

* When the switch is set to PLAY, the LCD and INITIALIZE CARD parameters will not appear.
* When the AV cable is connected, the PICTURE ADJ parameter will not appear

2 Press the MENU button.

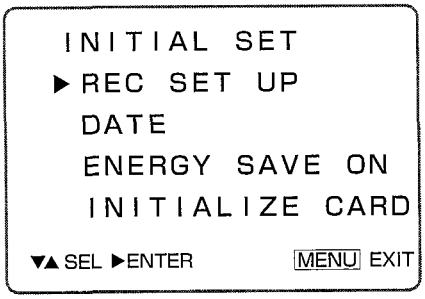
The SET UP menu will appear on the LCD monitor.
The INITIAL parameter will be displayed in green.
* The menu does not appear during recording.



3 Display the INITIAL SET screen.

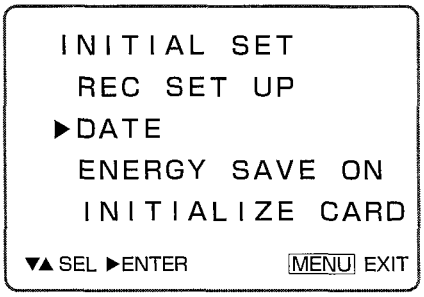
Press the ▶ (PLAY) button.
The INITIAL SET screen will appear.

Initial Setting Screen



4 Select DATE.

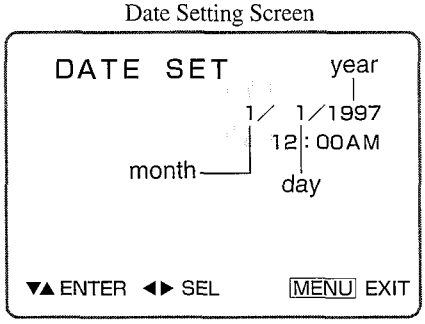
Press the ▼ (R.SEARCH) button to select DATE.



5 Display the DATE SET screen.

Press the ▶ (PLAY) button.
The DATE SET screen will appear.

Date Setting Screen



6 Set the correct date and time.

Press the ▶ (PLAY) or ◀ (STOP) button until the digit you want to set flashes, then press the ▲ (F.SEARCH) or ▼ (R.SEARCH) button to increase or decrease the number.

7 Finish the date/time setting.

Press the MENU button.
The date/time setting will be completed and the DATE SET menu will disappear, after which the original picture will be restored.
As soon as MENU is pressed, the clock will start counting from the set date and time.

ENGLISH

Charging the MP-EG1A's Built-in battery :

The MP-EG1A incorporates a battery to power the memory which stores the date/time and various settings. This built-in battery will discharge after about two months, even if the MP-EG1A is not used. When the battery will discharge, "—/—/—" will flash in the date/time digits. If you record in this state, the file will be stored with the "—/—/—" date/time display, and the settings entered in various setting menus (see pages 71 - 81) will also be cleared and reset to the initial status, when you purchased the MP-EG1A.

To avoid loosing entered data, charge the built-in battery once about every two months.

Use one of the following two ways to charge the battery:

- Connect the AC adapter/charger to the MP-EG1A, and leave the MP-EG1A for about 24 hours with the CAM/OFF/PLAY switch set to OFF.
- Load a charged battery pack and leave the MP-EG1A for about 24 hours with the CAM/OFF/PLAY switch set to OFF.

If the date and time are incorrect :

When the incorrect recording date and time appear on the screen, charge the built-in battery by the procedure above, and correct the date and time on the DATE SET screen.

If the recording date and time are displayed incorrectly, the video data will be stored with the incorrect date and time. To correct the date/time data, see "Correcting File Recording Date/Time" on page 62.

Inserting Battery into the Remote Control

Insert the provided CR2025 lithium battery into the remote control.

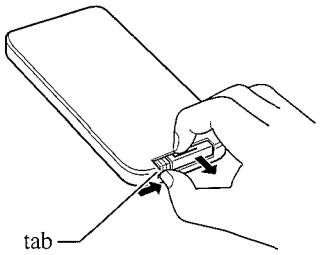
Remote control
(MP-RM1A)

Lithium battery
for remote control (CR2025)

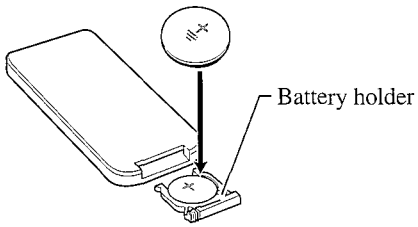
WARNING Keep this battery away from children. If swallowed, consult a physician immediately for emergency treatment.

1 Pull out the battery holder.

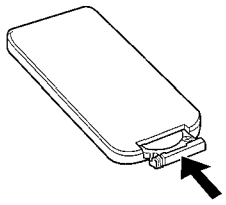
Push the tab in the direction of the arrow and hold it, then pull out the battery holder.



2 Insert the battery with the (+) terminal up.



3 Replace the battery holder.



Life of lithium battery

The life of the lithium battery is about one year.

NOTES:

- When replacing the battery, use 3V micro lithium battery CR2025.
- Danger of explosion if battery is incorrectly replaced.

This product uses the lithium battery which contain dangerous chemicals. Handle and dispose of with great care

WARNING:

- Keep the battery away from children and pets. If swallowed consult a physician immediately for emergency treatment.
- Keep the battery in a dark, cool, dry place.
- Do not throw the battery in a fire.
- Do not short circuit the battery.
- Do not disassemble the battery.
- Do not hold the battery with the metallic tweezers.
- Do not re-charge the battery.
- Wipe the battery with dry cloth and set properly confirming ends (+,-).
- After use please bring back to retail shop.

Warning for disposal in U.K: Place in a plastic bag and put in waste bin.

Tips for Skillful Use of the MP-EG1A

Use the PC card efficiently.

The PC card to be used with the MP-EG1A corresponds to film of a still camera or videotape of a camcorder, but it is a more expensive medium when compared with film and videotape. If the PC card is used as a storage for video and audio files, you will need a lot of PC cards, and this is not economical.

Instead, it is recommended that you transfer necessary files to the hard disk of your computer or other storage devices and store them. After transferring files, edit the files and delete the files from the PC card for new recording.

* To store data in your computer, see "Connecting to your personal computer" on page 68.

Watch the PC card's free memory area.

It is recommended that you occasionally check the free memory area of PC card, especially when you start to record. If you notice that the free memory will be insufficient for scheduled recording, delete unnecessary files to increase the free memory area.

* To check the free memory area: See "Checking free memory area of PC card" on page 60.
* To delete unnecessary files: See "Deleting files" on page 50.

Chapter 3

Recording

This section explains how to record moving pictures, still pictures, etc. Read thoroughly before starting to record.

Rotating the camera block and attaching the sunshade 28
Recording moving pictures 29
Recording still pictures 31
Recording still pictures at intervals 32
Recording consecutive still pictures 33
Recording a still picture with audio 34
Recording image of your portrait using the remote control 35

Do not expose the MP-EG1A to shocks during recording. The file being recorded will not be stored.

Be sure you first set the switch to OFF even if you want to set it to PLAY immediately.
If you don't , the MP-EG1A could malfunction.

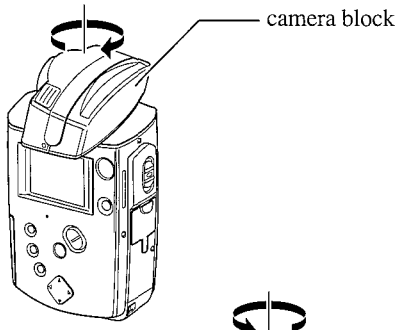
Rotating the Camera Block and Attaching the Sunshade

The camera block is turned to record an image of yourself when the MP-EG1A has been shipped. Rotate it before recording subjects other than yourself.
If the LCD screen is difficult to see during shooting outdoors, etc., attach the sunshade (provided) to the LCD screen.

Rotating the camera block

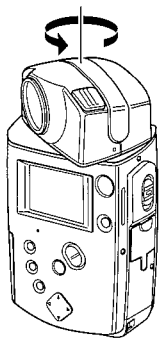
Hold the camera block at both sides and turn it clockwise, with the lens facing forward.

* The camera block cannot be turned over limit. Do not use force, since it could cause malfunctions.



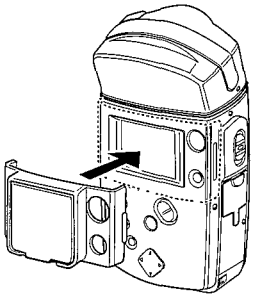
When you want to record yourself or house the MP-EG1A in its carrying case, turn the camera block counterclockwise so that the lens faces you.

* Take care that you do not touch the lens when holding the camera block.

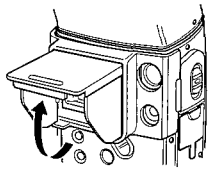


Attaching the sunshade

Align the convex sections on both sides of sunshade with the concave sections on the MP-EG1A, and fit in the sunshade.

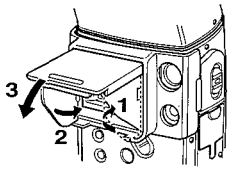


To open the sunshade:



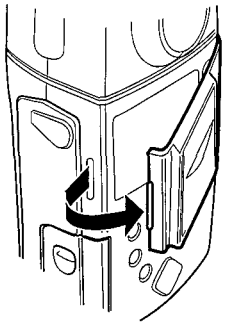
To close the sunshade:

When not using, fold the segments as shown in the figure on right.



Detaching the sunshade

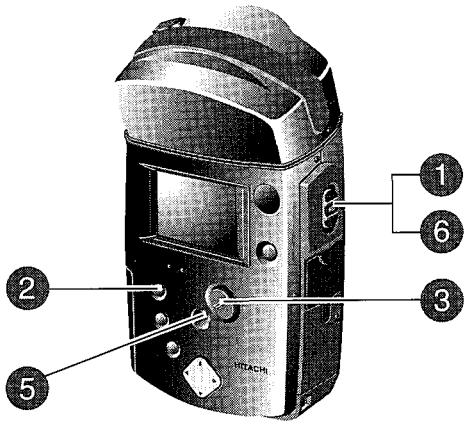
Close the sunshade and release the concave side on the left as shown in the figure on right to detach it.



Recording Moving Pictures

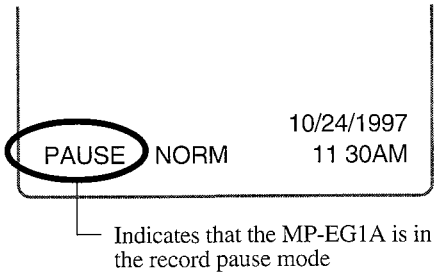
The MP-EG1A records moving pictures and audio.

* The illustrations used in the following text may be different from the actual pictures.



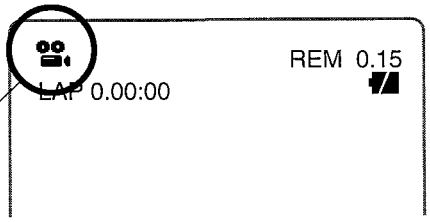
1 Set the CAM/OFF/PLAY switch to CAM.

Hold down the red button at the centre of the switch and set the switch to CAM. The image from the lens will appear on the LCD monitor, and the MP-EG1A will enter the record pause mode ("PAUSE" will appear).



2 Check that the "📹" record mode indicator appears.

If the " 📹" moving picture record mode indicator does not appear, press the REC MODE/THUMBNAIL button repeatedly until it does.



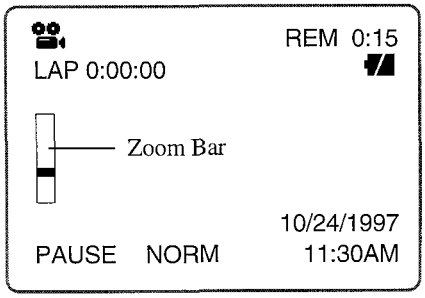
3 Adjust the image size of subject.

Press the ZOOM/VOL button to adjust the image size of subject. Pressing T (tele) magnifies the image, and pressing W (wide) makes it smaller.

* When the ZOOM/VOL button is pressed, the zoom bar will appear on the left end of the LCD monitor.

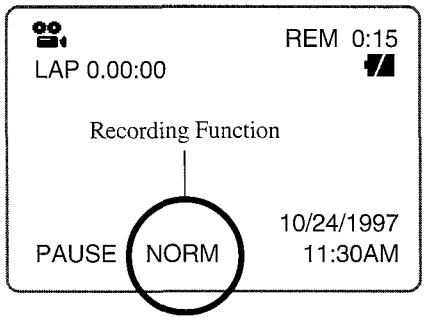
Zooming

The MP-EG1A can zoom in on a subject and enlarge it up to 6 times, 3 times the optical zoom multiplied by 2 times the digital zoom. When the MP-EG1A enters the digital zoom area, the zoom bar will change from white to yellow on the LCD monitor, and the picture will be slightly rough in this area.

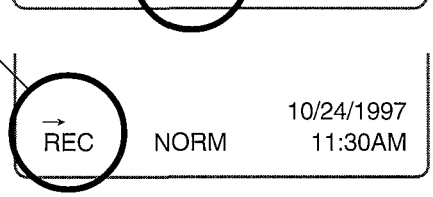


4 Check the recording type.

The way you record varies depending on the recording type. Check to see whether the recording function is set to "NORM" or "CLIP".



5 Record.



- ***When the recording function is set to "NORM" :***
  Press the REC button, the "REC" indicator will appear.
  Recording will start. When the REC button is pressed again, recording of the file will end.
- ***When the recording function is set to "CLIP" :***
  Hold down the REC button.
  Recording will continue while the button is held. When the button is released, recording of the file will end.

Sound is always recorded with moving pictures: You cannot record pictures without sound. During recording, the "REC" indicator lights (red Colour), and " → " indicates on the LCD monitor. When recording is finished, it will change to "PAUSE" (green Colour).

* For switching between NORM and CLIP, see "Switching the Recording Function Type" on page 72.

6 Set the CAM/OFF/PLAY switch to OFF.

After recording is finished, set the switch to OFF to turn power off.

Do not turn power off when the ACCESS indicator is flashing: This could destroy the stored data.

Be sure you first set the switch to OFF even if you want to set it to PLAY immediately. If you don't, the MP-EG1A could malfunction.

Minimum distance recording

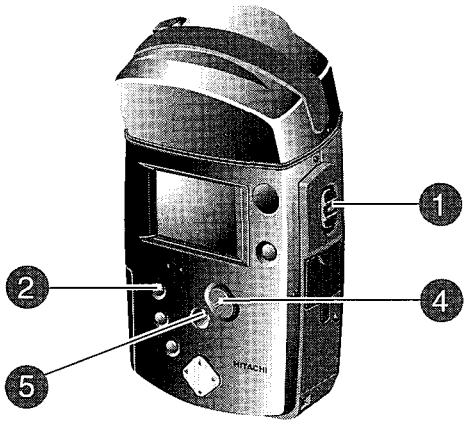
The MP-EG1A can record a subject as close as 28 cm. If you bring the MP-EG1A nearer than 28 cm to a subject, or set the zoom in the telephoto direction during minimum distance recording, the image will be out of focus.

Auto power off (ENERGY SAVE ON)

The MP-EG1A has an "auto power off (in 5 minutes)" function to prevent battery from going dead. When the recording pause mode (during recording) or playback stop mode (during playback) or playback pause mode (during playback) or start Media Navigation (during playback) continues for 5 minutes or more, the MP-EG1A will turn off automatically. Press the PLAY or REC button on the MP-EG1A to turn the MP-EG1A on again. The original operation mode will be restored.
You can disable the auto power off function. See "Switching Auto Power Off Setting" on page 76 for details.

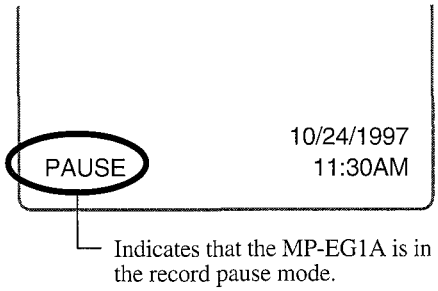
Recording Still Pictures

* If a still picture has been recorded, the remaining number of storable still pictures (REM) which appears in the on-screen display may not decrease. See "Remaining number indicator of storable still pictures" on page 33



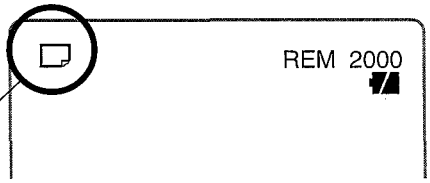
1 Set the CAM/OFF/PLAY switch to CAM.

Hold down the red button at the centre of the switch and set the switch to CAM. The image from the lens will appear on the LCD monitor, and the MP-EG1A will enter the record pause mode ("PAUSE" will appear).



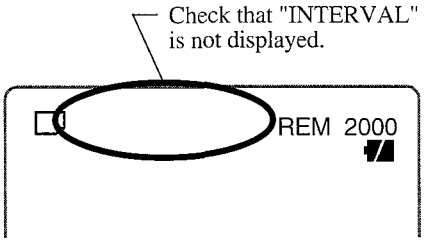
2 Set the record mode indicator to "□".

Press the REC MODE/THUMBNAIL button repeatedly until the "□" still picture record mode indicator appears on the LCD monitor.



3 Check that the interval indicator is off.

If "INTERVAL" appears on the monitor, interval recording will be made at the displayed "INTERVAL".



4 Adjust the image size of subject.

Press the ZOOM/VOL button to adjust the image size of subject. Pressing T (tele) magnifies the image, and pressing W (wide) makes it smaller.

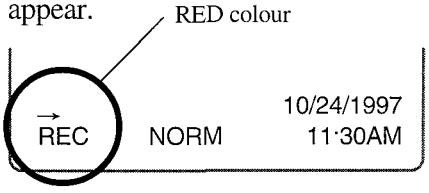
* See "Zooming" on page 29 for details of zoom.

* When the ZOOM/VOL button is pressed, the zoom bar will appear on the left end of the LCD monitor.

5 Record.

Press the REC button to start recording. The REC indicator will appear. The image at the moment the button is pressed will be recorded as a still picture.

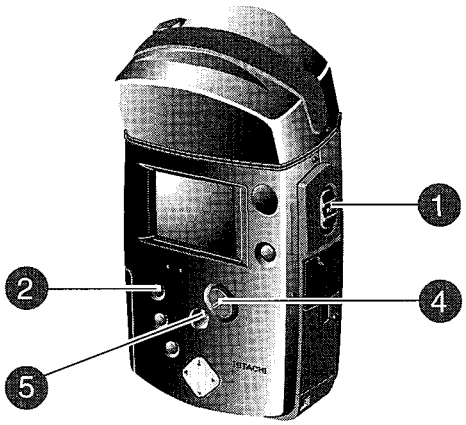
* The shutter speed varies from 1/4 to 1/800 second automatically, according to the brightness of subject. If the subject is dim, the shutter speed will be a maximum of 1/4 second, so be careful of camera movement.



Recording Still Pictures at Intervals

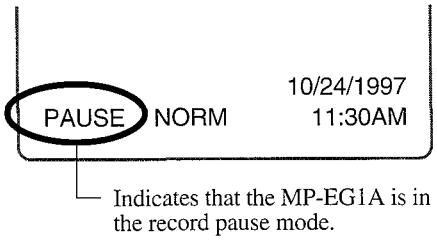
If the interval recording has been set (see page 74), you can automatically record still pictures at a specified interval.

* Check the free memory area on PC card and battery remaining level.
* It is recommended that you use AC power supply.



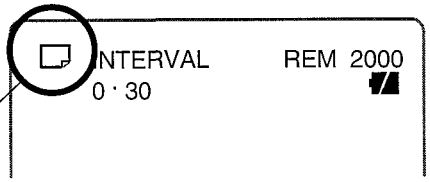
1 Set the CAM/OFF/PLAY switch to CAM.

Hold down the red button at the centre of the switch and set the switch to CAM. The image from the lens will appear on the LCD monitor, and the MP-EG1A will enter the record pause mode ("PAUSE" will appear).



2 Set the record mode indicator to "□".

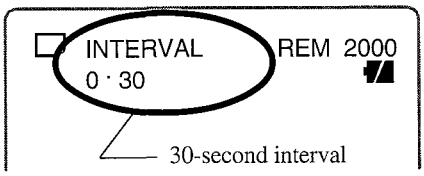
Press the REC MODE/THUMBNAIL button repeatedly until the "□" still picture record mode indicator appears on the LCD monitor.



3 Check the interval.

Check that the INTERVAL setting time (30 seconds, 1 minute or 5 minutes) appears in the on-screen display.
If "INTERVAL" does not appear, the MP-EG1A will not operate at interval (see page 31).

* See "Setting Recording Interval" on page 74 for switching the interval.



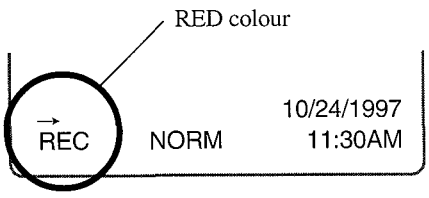
4 Adjust the image size of subject.

Press the ZOOM/VOL button to adjust the image size of subject. Pressing T (tele) magnifies the image, and pressing W (wide) makes it smaller.

* See "Zooming" on page 29 for details of zoom.
* When the ZOOM/VOL button is pressed, the zoom bar will appear on the left end of the LCD monitor.

5 Record.

Press the REC button to start recording.
The image at the moment the button is pressed will be recorded as a still picture, and the interval counter will count down. Each time the interval counter is reset to 0, still pictures will be recorded automatically.
Pressing the REC button again stops interval recording.

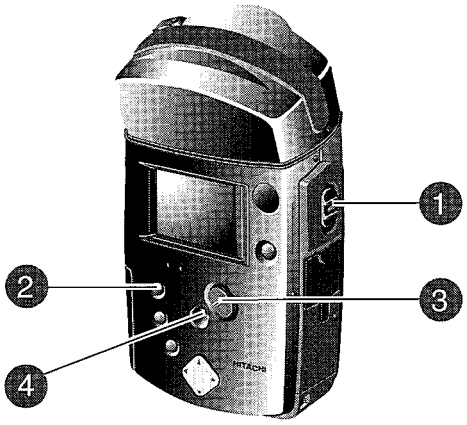


* When the CAM/OFF/PLAY switch is set to OFF, the interval recording will be released.

Recording Consecutive Still Pictures

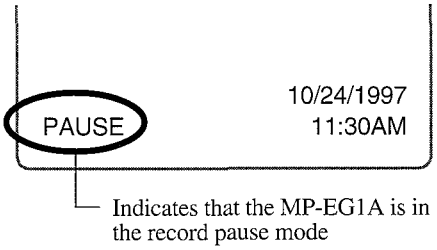
This record mode allows you to automatically record five consecutive still pictures at a speed of about two pictures per second.

* If the brightness of subject changes abruptly during consecutive recording, it could result in overexposure or underexposure.



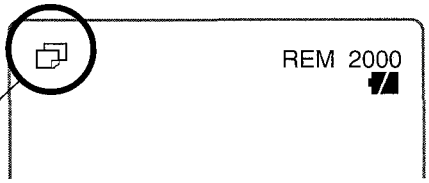
1 Set the CAM/OFF/PLAY switch to CAM.

Hold down the red button at the centre of the switch and set the switch to CAM. The image from the lens will appear on the LCD monitor, and the MP-EG1A will enter the record pause mode ("PAUSE" will appear).



2 Set the record mode indicator to "🗗".

Press the REC MODE/THUMBNAIL button repeatedly until the "🗗" consecutive record mode indicator appears on the LCD monitor.



3 Adjust the image size of subject.

Press the ZOOM/VOL button to adjust the image size of subject. Pressing T (tele) magnifies the image, and pressing W (wide) makes it smaller.

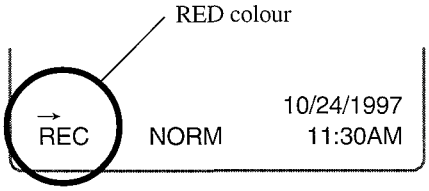
* See "Zooming" on page 29 for details of zoom.

* When the ZOOM/VOL button is pressed, the zoom bar will appear on the left end of the LCD monitor

4 Record.

Hold down the REC button.

Five consecutive still pictures will be recorded at a speed of about two pictures per second, after which recording will stop. If you release the REC button during consecutive recording, recording will stop at the moment you release the button.



* If you are recording a dark scene or a subject with complicated patterns, the consecutive recording speed may be one picture per second.

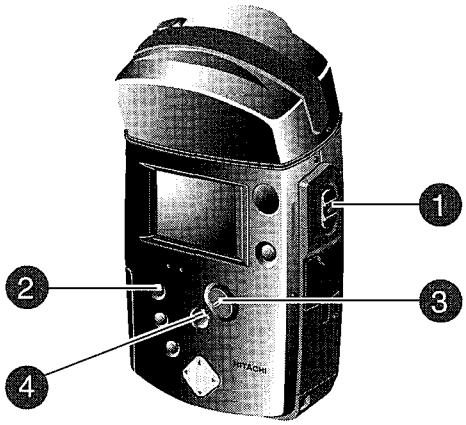
Remaining number indicator of storable still pictures :

If a still picture whose size is little has been recorded, the remaining number indicator may not change. Please understand in advance that this does not indicate a fault.

ENGLISH

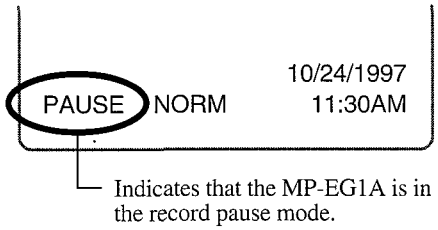
Recording a Still Picture with Audio

The MP-EG1A can record a still picture, followed by recording of audio.



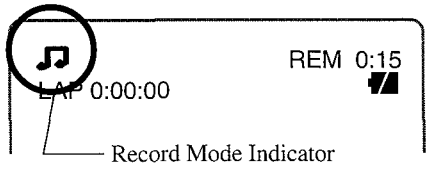
1 Set the CAM/OFF/PLAY switch to CAM.

Hold down the red button at the centre of the switch and set the switch to CAM. The image from the lens will appear on the LCD monitor, and the MP-EG1A will enter the record pause mode ("PAUSE" will appear).



2 Set the record mode indicator to "♫".

Press the REC MODE/THUMBNAIL button repeatedly until the "♫" still with audio record mode indicator appears on the LCD monitor.



3 Adjust the image size of subject.

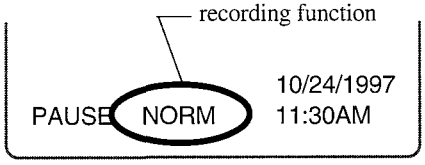
Press the ZOOM/VOL button to adjust the image size of subject. Pressing T (tele) magnifies the image, and pressing W (wide) makes it smaller.

* See "Zooming" for details of zoom.

* When the ZOOM/VOL button is pressed, the zoom bar will appear on the left end of the LCD monitor.

4 Start recording.

The way you record varies depending on the recording type you set. (See page 72 for switching between "NORM" and "CLIP".)

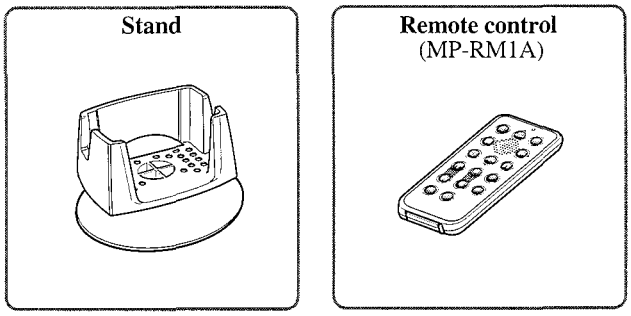


- ***When the recording function is set to "NORM" :***
  Press the REC button. The still image at the moment the button is pressed will be recorded. After the recorded picture appears on the screen, audio can also be recorded.
  When the REC button is pressed again, recording of the file will end.
- ***When the recording function is set to "CLIP" :***
  Hold down the REC button. The still image at the moment the button is pressed will be recorded. After the recorded picture appears on the screen, audio can also be recorded.
  When the button is released, recording of the file will end.

* See "Switching the Recording Function Type" on page 72 for switching between NORM and CLIP.

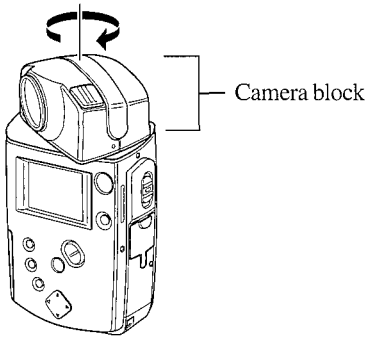
Recording Image of Your Portrait Using the Remote Control

Place the MP-EG1A on the stand and turn the camera block so the lens faces you. You can record yourself using the remote control.



1 Turn the camera block.

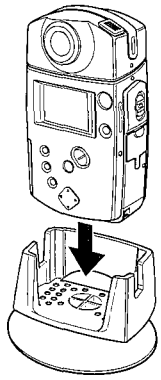
Turn the camera block so the lens faces the same direction as the LCD monitor does.



2 Install the MP-EG1A.

Place the stand in a flat, stable position, and install the MP-EG1A on the stand as shown in the figure.

* Select a place where there are no obstacles between you and the MP-EG1A. If there is an obstacle between the remote control and MP-EG1A's infrared receiver, you cannot operate the MP-EG1A with the remote control.
* Be sure to select a stable installation place. Installing the MP-EG1A in an unstable place is dangerous.
* You can use a generally available tripod for a still camera instead of the stand.
* The stand can be tilted, but cannot be rotated. Do not force to turn it.



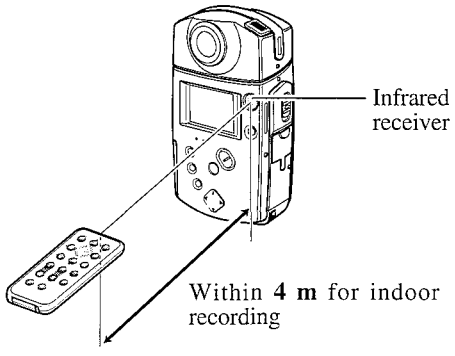
3 Set the CAM/OFF/PLAY switch to CAM and adjust the angle.

Hold down the red button at the centre of the switch and set the switch to CAM. Viewing the LCD monitor screen, adjust the angle of the stand.

4 Use the remote control to record.

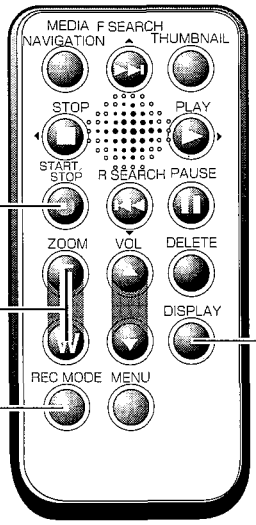
Point the remote control at the MP-EG1A's infrared receiver to operate.

* A lithium battery must be inserted into the remote control (see page 25).
* Be careful that strong light does not strike the infrared receiver. The remote control distance may be extremely small or no operation can be done.



Buttons on the remote control

The following shows the buttons on the remote control used for recording, and their functions:



START/STOP :
To start or stop recording This corresponds to the REC button on the MP-EG1A.

ZOOM :
To adjust zoom.

REC MODE :
To switch the record mode.

DISPLAY :
To turn on or off the on-screen display (characters and symbols). (See page 78)

Chapter4

Playback

This section explains how to play back recorded pictures and sound, and search for files you want to play back. Before you start to play back, be sure to read the section thoroughly.

Playing back the file just recorded 38

Locating files to be played by skipping start pictures 39

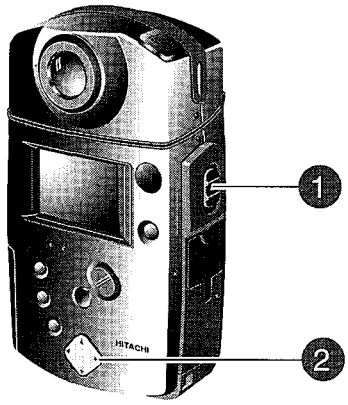
Order of files to be played 40

Playback using the remote control 41

Playing Back the File Just Recorded

If you want to play back the file just recorded, perform the following procedure:

* The displayed date and time during playback are fixed to the date and time on which you started recording. The date and time dose not change even as moving picture playback progresses.



1 Set the CAM/OFF/PLAY switch to PLAY.

Hold down the red button at the centre of the switch and set the switch to PLAY. The picture you recorded just before (in case of moving pictures, the start picture of the file) will appear on the LCD monitor.

* If you have played back some file immediately before, the picture played back last will appear.

* If the menu for Media Navigation appears (see page 45), press the MEDIA NAVI GATION button.

2 Press the PLAY button.

The pictures and sound will be played back.

- ***In case of moving picture :***
  Both picture and sound will be played back. When playback reaches the end, the start picture of the file will be displayed and playback will stop.
- ***In case of a still picture :***
  The picture will be displayed as it is.
- ***In case of consecutive still pictures:***
  The last still picture will be displayed.
- ***In case of still picture with audio:***
  The still picture will be displayed and sound will be played back.

Adjusting the volume

When you hear the sound from the built-in speaker, use the ZOOM/VOL button to adjust the volume. Pressing + increases the volume, and pressing - decreases the volume. When this button is pressed, the volume bar will appear on the left end of the LCD monitor.

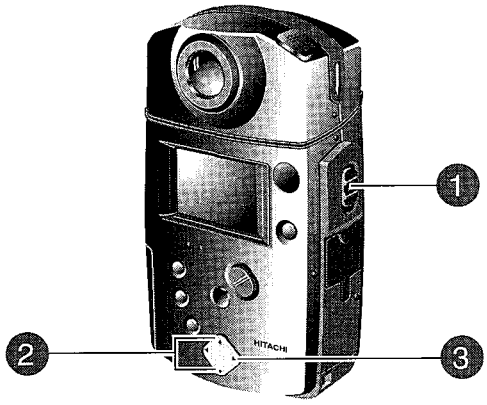
* When you connect the MP-EG1A to a TV, be sure to adjust the volume on the TV.

Pausing

Press the REC button to pause the playback of moving pictures or a still picture with audio. Press the REC button again to resume playback.

Locating Files to be Played by Skipping Start Pictures

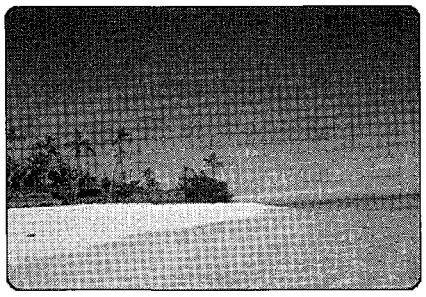
You can search for files you want to play by displaying the start pictures of the files in sequence.



1 Set the CAM/OFF/PLAY switch to PLAY.

Hold down the red button at the centre of the switch and set the switch to PLAY. The picture you recorded last or played last (in case of moving pictures, the start picture of the file) will appear on the LCD monitor.

* If the menu for Media Navigation appears (see page 45), press the MEDIA NAVIGATION button.



2 Press the F.SEARCH or R.SEARCH button to search for the file.

Pressing R.SEARCH once displays the start picture of the file recorded one before the current file. Hold down R.SEARCH to skip files continuously.

Press F.SEARCH when you want to skip files in reserve. If you press R.SEARCH while the oldest file is being displayed, the start picture of the newest file will appear. If you press F.SEARCH while the newest file is being displayed, the start picture of the oldest file will appear.

3 Press the PLAY button.

The pictures and sound (moving picture or still picture with audio) will be played back.

After playback of a file ends, the next file will be played back. To stop playback, press the STOP button.

Searching for files during playback

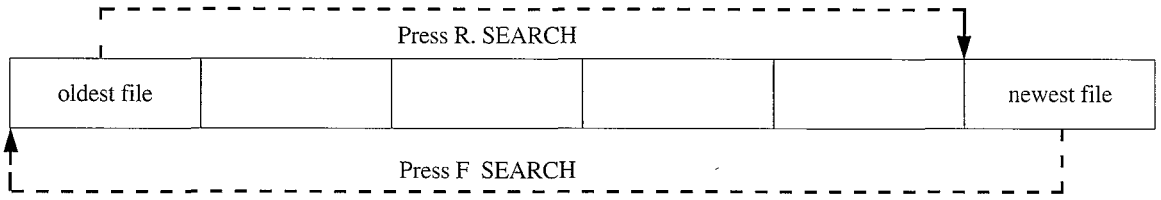
Each time F.SEARCH or R.SEARCH is pressed during file playback, the files are scanned forward or backward one by one, and playback will start from the located file. Holding down the button causes continuous search (visual scanning).

Order of Files to be Played

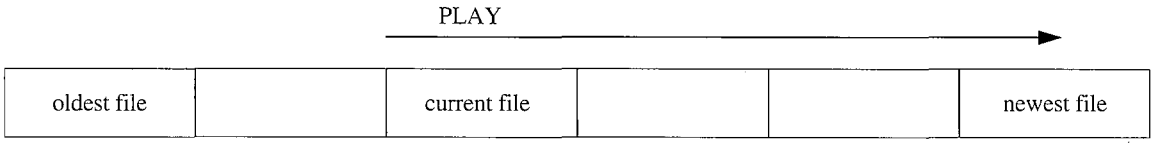
When the file just recorded has played back to its end, playback will stop. If you locate an object file by skipping others and press PLAY, the file will play to its end, and the next files will also play.

The order of files is below:

If you press R.SEARCH while the oldest file is displayed, the start picture of the newest file will appear. If you press F.SEARCH while the newest file is displayed, the start picture of the oldest file will appear.



If you press PLAY when the MP-EG1A is at the current file shown below, the files will play in order as shown by the arrow. When playback reaches the end of the newest file, the start picture of the newest file will be displayed. (Still pictures will show for about three seconds each.)



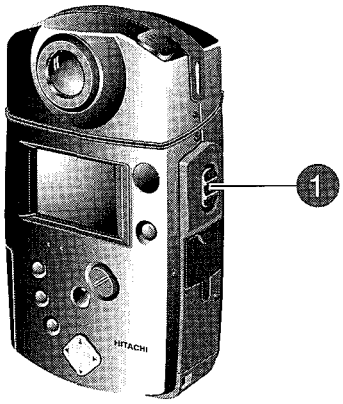
Changing playback order

Arrange the display order of files with Media Navigation (See page 56) and start auto play (see page 58). You can play files regardless of the order of recordings.

Playback Using the Remote Control

You can use the remote control to operate playback.

* Insert the lithium battery into the remote control in advance. (See page 25)



1 Set the CAM/OFF/PLAY switch to PLAY.

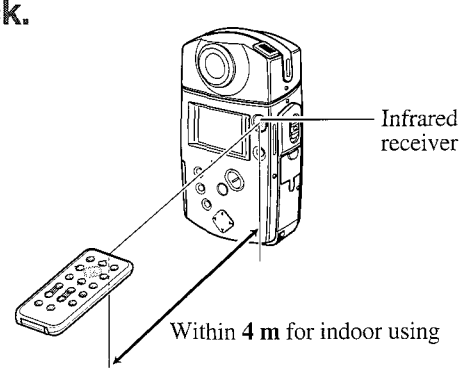
Hold down the red button at the centre of the switch and set the switch to PLAY. The picture you recorded last or played back last (in case of moving pictures, the start picture of the file) will appear on the LCD monitor.

* If the menu for Media Navigation appears (see page 45), press the MEDIA NAVIGATION button.

2 Use the remote control to operate playback.

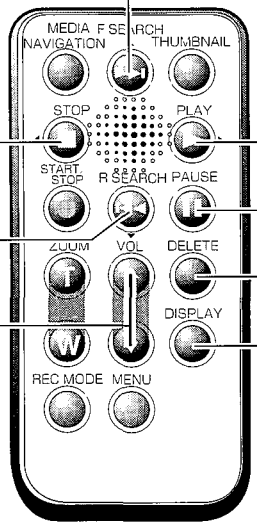
Point the remote control at the MP-EG1A's infrared receiver and perform playback operation (see pages 38-40).

* Be careful that strong light does not strike the infrared receiver. The remote control distance may be extremely small or no operation can be done.



Buttons on the remote control

The following shows the buttons on the remote control used.



F.SEARCH :
Press this in the stop mode to display the start pictures of each file in sequence

STOP :
To stop playback

PLAY :
To play pictures and sound.

R.SEARCH :
Press this in the stop mode to display the start pictures of each file in reverse order

PAUSE :
Press during playback to stop pictures and sound temporarily

DELETE :
To delete the displayed file (See page 50)

VOL button
To increse (▲) or decrease (▼) the volume.

DISPLAY :
To turn on or off the on-screen display (characters and symbols) (See page 78)

Chapter 5

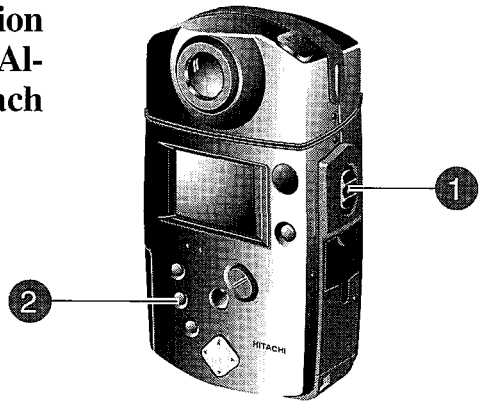
File Management (Media Navigation)

This section explains how to use Media Navigation for arranging recorded files, editing folder for auto play, etc. Also, see "Operating Files" on page 12.

Starting Media Navigation 44
On-screen display and basic operation of Media Navigation 45
Selecting the file and playing it back 47
Transferring files to another folder (CHG FOLD# menu item) 48
Deleting the file 50
Deleting all files in folder 53
Protecting files (LOCK/UNLOCK menu item) 54
Changing the display order of files (CHG ORD menu item) 56
Auto play of desired files 58
Checking free memory area of PC card (REMAIN) 60
Switching thumbnail display on or off 61
Correcting file recording date/time (CHG TIME menu item) 62

Starting Media Navigation

The following describes how to start Media Navigation used for management of recorded files (see page 12). Always start Media Navigation before performing each operation on pages 47-49 and on pages 51-63.



1 Set the CAM/OFF/PLAY switch to PLAY.

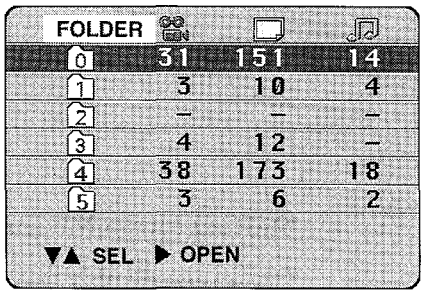
Hold down the red button at the centre of the switch and set the switch to PLAY. The picture you recorded last or played last (in case of moving pictures, the start picture of the file) or the Media Navigation screen will appear on the LCD monitor.

2 Start Media Navigation.

If the Media Navigation screen does not appear in step 1, press the MEDIA NAVIGATION button.
The FOLDER select screen or file select screen (see page 46) will appear. In the following text, the explanation will be started from the FOLDER select screen.

* If the file select screen is displayed, press the ◀ button to return to the FOLDER select screen.

FOLDER Select Screen



Exiting Media Navigation.

If you press the MEDIA NAVIGATION button during the media navigation operation, Media Navigation will end where the button is pressed, and the picture you played last (in case of moving pictures, the start picture of the file) will appear.

If the MP-EG1A is turned off when the Media Navigation screen appears, Media Navigation will automatically start when the CAM/OFF/PLAY switch is set to PLAY, and the FOLDER select screen or file select screen (see page 46) will appear.
If the CAM/OFF/PLAY switch is set to CAM after the MP-EG1A is turned off, Media Navigation will not start.

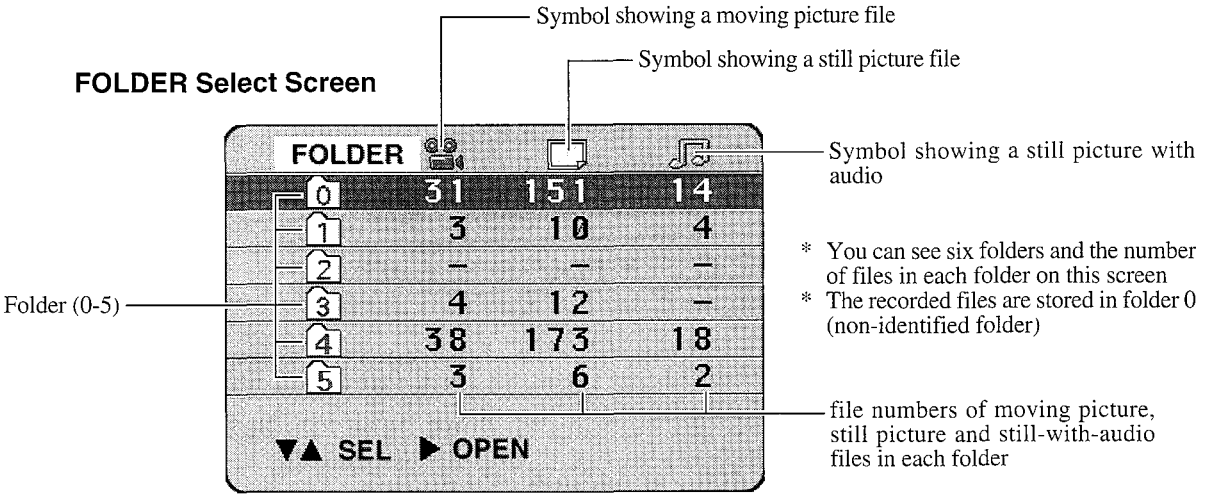
On-Screen Display and Basic Operation of Media Navigation

There are two basic screens for Media Navigation - the FOLDER select screen, which displays file number list in folders, and the file select screen, which displays a list of files.
Following are details of the displays on these screens and the basic operation methods.

Details of display on FOLDER select screen

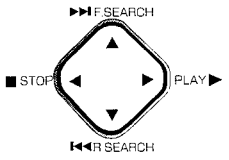
This screen allows you to select a folder which contains the files you want to operate, or to select a folder you want to operate (to delete all files in folder).

FOLDER Select Screen


Symbol showing a moving picture file
Symbol showing a still picture file
Symbol showing a still picture with audio
Folder (0-5)
FOLDER
0 31 151 14
1 3 10 4
2 – – –
3 4 12 –
4 38 173 18
5 3 6 2
▼▲ SEL ▶ OPEN
* You can see six folders and the number of files in each folder on this screen
* The recorded files are stored in folder 0 (non-identified folder)
file numbers of moving picture, still picture and still-with-audio files in each folder

Basic operation on folder select screen

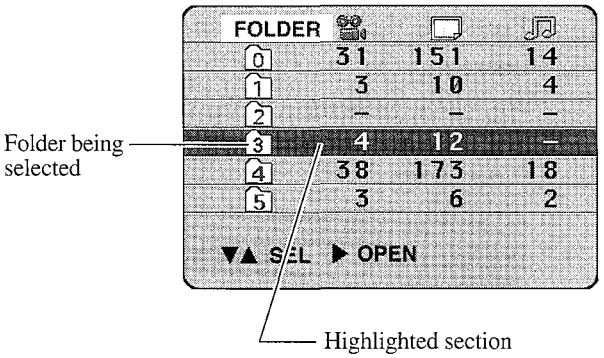
Use the buttons shown below corresponding to ▼, ▲, ▶ and ◀ in the following text. You can use the remote control to operate in the same way.



▼ : R.SEARCH button
▶ : PLAY button
▲ : F.SEARCH button
◀ : STOP button

To select a folder:

Press ▲ or ▼ to move the highlighted section up or down and select a folder.



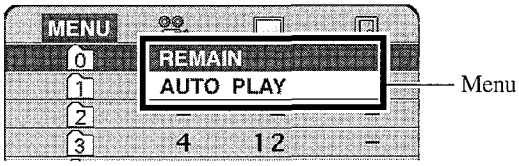
To open the folder:

Press ▶ to open the selected folder, and the file select screen will appear (see page 46).

To display the menu:

Press the MENU button, and the menu will appear. To switch off the menu, press the button again.

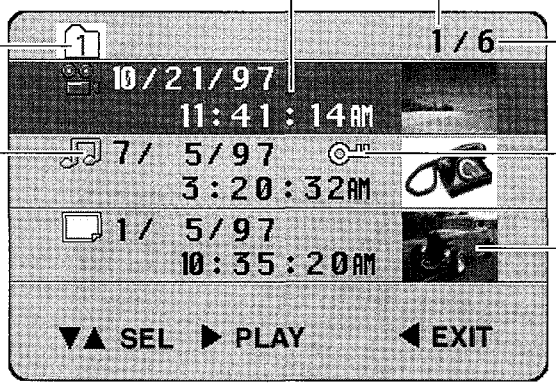
* A menu item displayed in gray text cannot be operated.



Details of display on File select screen

This screen allows you to select a file and operate it in various ways, including playback, deletion, change of folder that contains files, change of display order, protection of files, auto play, free (remaining) memory, etc.

File Select Screen (with thumbnails)



Date/time (month/day/year, hour : minute second) when recording of the file was started

Number of page being currently displayed

Number of folder which is currently open

Total number of pages contained in this folder

Symbol of file type, moving picture or still picture with audio or still picture

Lock symbol showing inhibition of deletion

Thumbnail

* The seconds of the date when recording of file was started are always displayed in an even number.

* See "Switching Thumbnail Display On or Off" on page 61.

Basic operation on file select screen

Use the buttons shown below corresponding to ▼, ▲, ▶ and ◀ in the following text. You can use the remote control to operate in the same way.

▼ : R.SEARCH button
▶ : PLAY button
▲ : F.SEARCH button
◀ : STOP button

To select a file :

Press ▲ or ▼ to move the highlighted section up or down and select a file. When the folder contains more files than can be displayed on one screen, hold ▼ or ▲; the next screen will appear.

To play :

Press ▶ , and the selected file will play. When playback is finished, the final picture of the file will appear and playback will stop.

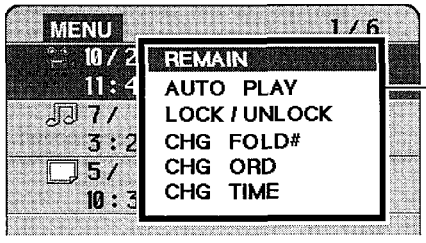
To return to the FOLDER select screen :

Press ◀ , and the folder select screen will be restored.

To display the menu :

Press the MENU button, and the menu for operating files will appear. To switch off the menu, press the MENU button again.

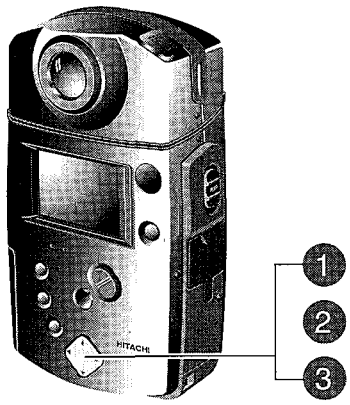
* A menu item displayed in gray text cannot be operated.



Menu

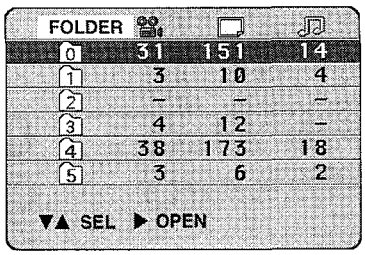
Selecting the File and Playing It Back

If you know the recording date/time of the file you want and the folder containing the file, you can select the file and play it back.



* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

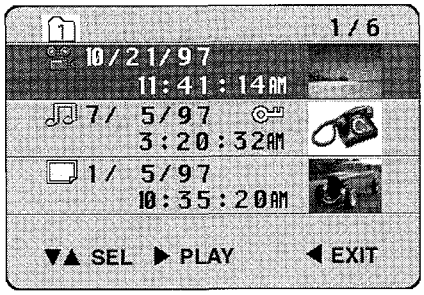
FOLDER Select Screen



1 Display the file select screen.

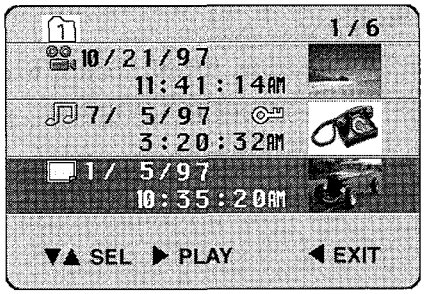
Press ▼ or ▲ with the FOLDER select screen to select the folder containing the file you want to play back, and then press ▶ .
The file select screen will appear.

File Select Screen (with thumbnails)



2 Select the file to be played back.

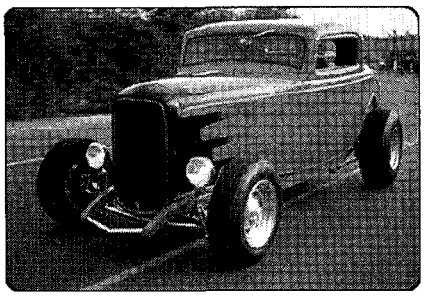
Press ▼ or ▲ to select the file you want to play back and highlight it.



3 Play back the file

Press ▶ . The selected file will play back. When playback of the file is finished, it will stop at the final picture of the file.

* The displayed date and time during playback are fixed at those on which you started recording. The date and time will not change even as picture playback progresses.



Stops at final picture.

To select another file :

Press ◀ .
The file select screen will be restored. Perform steps 2 and 3 again.

- If 'FILE ERROR' appears:
  If you attempt to play back a file that the MP-EG1A cannot play back, the message 'FILE ERROR' will appear. In this case, the MP-EG1A operation may be malfunctioning. Delete the file to prevent future malfunction.

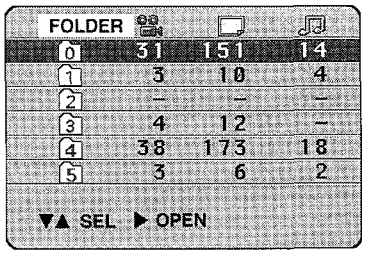
ENGLISH

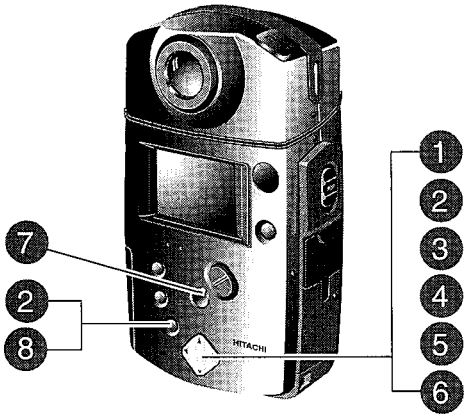
Transferring Files to Another Folder (CHG FOLD# menu item)

You can transfer the files in a non-identified folder (folder 0) to folders 1- 5 and gather files for auto play.

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

FOLDER Select Screen

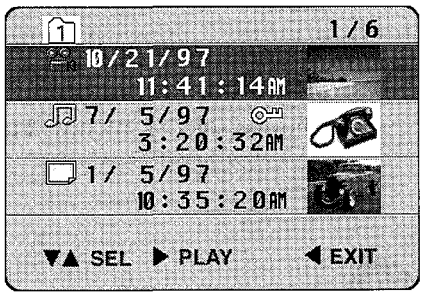




1 Display the file select screen.

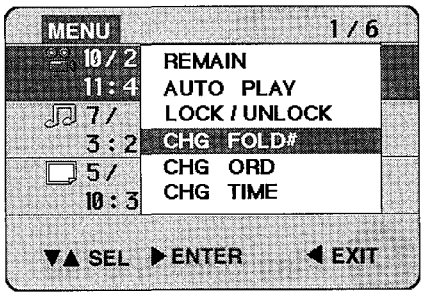
Press ▼or ▲ in the FOLDER select screen to select the folder containing the file you want to transfer, and then press ▶ .
The file select screen will appear.

File Select Screen (with thumbnails)



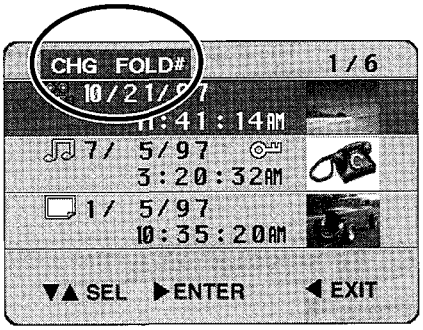
2 Display the menu and select CHG FOLD#.

Press the MENU button to display the menu, and press ▼or ▲ to select CHG FOLD #.



3 Display the screen for changing folder number.

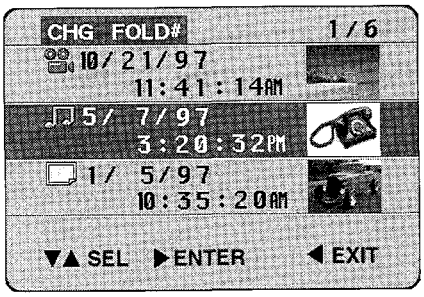
Press ▶ .
The menu will disappear and the CHG FOLD# screen will appear.



4 Select the file you want to transfer.

Press ▼ or ▲ to select the file you want to transfer.

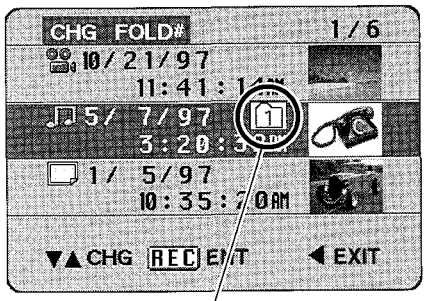
* You can also change the folder for files with a lock symbol ( ).



5 Enter the selected file.

Press ▶ .

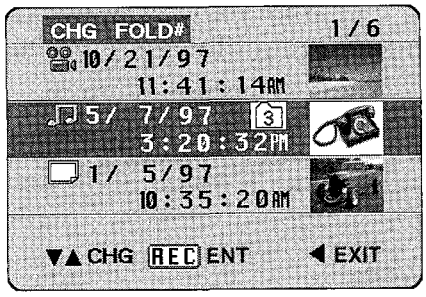
The folder symbol will be displayed with the selected file.



6 Designate the folder to which you want to transfer the file.

Press ▼ or ▲ to change the folder number to that of the folder to which you want to transfer the file.

Change to the number of the folder you want to transfer the file to.



7 Decide the transfer.

Press the REC button (or the START/STOP button on the remote control).

The transfer has been decided and the screen for selecting the file to transfer (the screen in step 4) will be restored. The transferred file has now disappeared from this select screen.

You can continue to change folders of other files by repeating steps 4-7.

* If the folder is empty after all the files are transferred, the message "NO FILES" will appear.

* To cancel the file transfer, press the ◀ button before pressing REC. The transfer will be cancelled and the file select screen to transfer (the screen in step 4) will be restored.

8 Exit the CHG FOLD# menu item.

Press the MENU button.

The folder change will end and the file select screen (the screen in step 1) will be restored.

* A transferred file will be displayed at the top of the list of the folder to which the file has been transferred.

ENGLISH

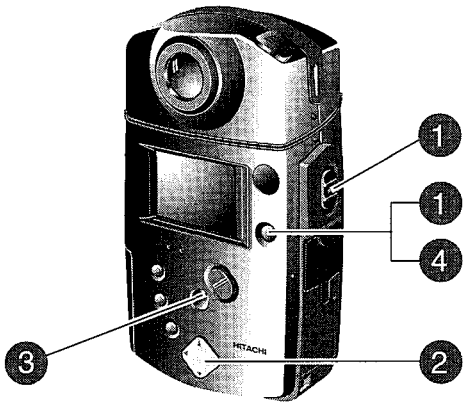
Deleting Files

It is recommended that you delete as many unnecessary files as possible to expand the free memory area of PC card.
There are two ways of deleting the file - deletion while playing back the file and deletion by selecting the file.

* You can also use the remote control to delete files.
* If you repeat recording and deleting of a large file, interference may enter the recorded moving pictures. It is recommended that you create backup copy earlier and initialize the PC card (see page 82).

Deleting a file being played back:

* Take great care when deleting files, since the files you have deleted once cannot be restored.

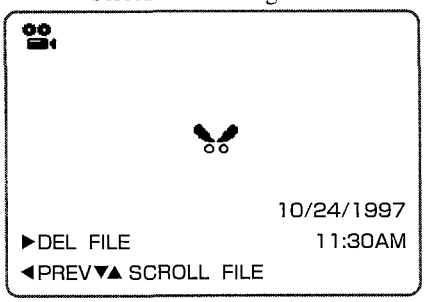


1 Set the CAM/OFF/PLAY switch to PLAY, and then press the DELETE button.

When you press the DELETE button during playback, the MP-EG1A will enter the pause mode, and the Screen for Deleting Files will appear.

* If the file is locked and protected against accidental deletion, a red lock symbol will flash on the LCD monitor, indicating the file cannot be deleted. See page 54 to erase the lock and release the file.

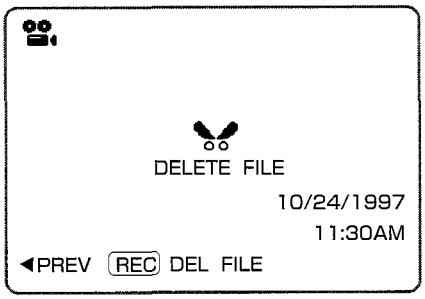
Screen for Deleting Files



2 Press the ▶ button.

The message which asks you to permit deletion will appear.

* To cancel deletion, press the ◀ button.
* Make sure you want to delete the file before pressing the REC button.



3 Execute deletion.

Press the REC button.
The file being displayed will be deleted and the screen in step 1 will be re stored.

* If you use the remote control to delete, press the START/STOP button.
* To delete another file, perform steps 2 and 3 again.

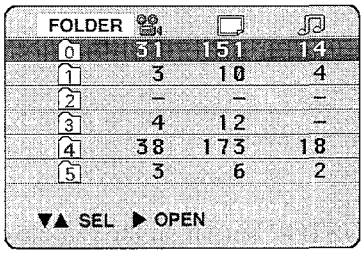
4 Finish deletion.

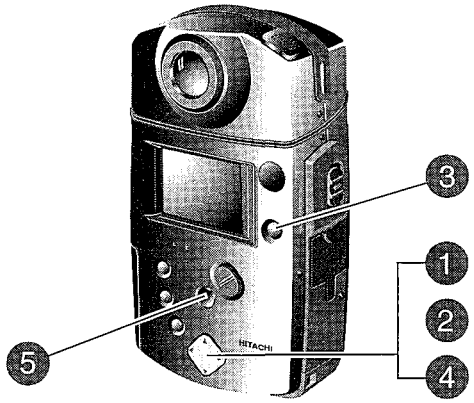
Press the DELETE button or ◀ button.
Deletion of files will be finished and the playback picture will be restored.

Select the file and deleting it:

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.

FOLDER Select Screen



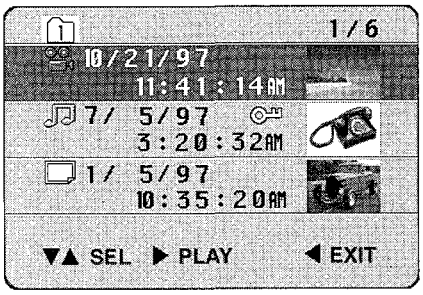


1 Display the file select screen.

Press ▼ or ▲ with the FOLDER select screen to select the folder containing the file you want to delete, and then press ▶.

The file select screen will appear.

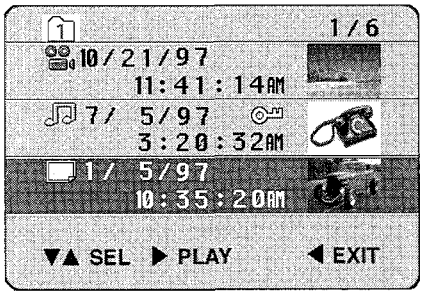
File Select Screen (with thumbnails)



2 Select the file to be deleted.

Press ▼ or ▲ to select the file you want to delete.

* You cannot delete a file with the lock symbol (see page 54).



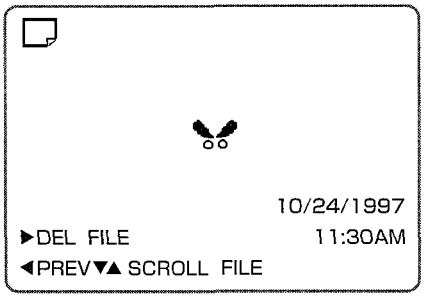
3 Display the screen for deleting files.

Press the DELETE button.

The screen for deleting files will appear, and the start picture of the selected file and recording start date/time will appear.

* If you have specified DISPLAY OFF (see page 78), the marks indicating the record mode and the recording date/time of files will not appear

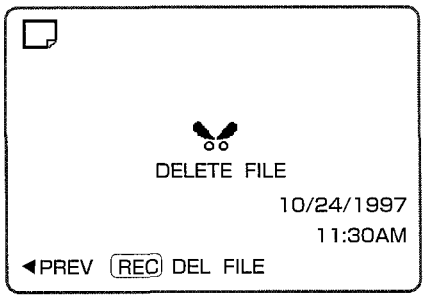
Screen for Deleting Files



4 Check the file to be deleted.

Check again, and if it is the file you want to delete, press the ▶ button.

* To cancel deletion, press the ◀ button.



5 Execute deletion.

Press the REC button (or the START/STOP button on the remote control).

The selected file will be deleted and the screen in step 3 will be restored.

* To finish deletion, press the ◀ button.

* To delete another file, perform steps 3-5 again.

* If the folder is empty after all the files are deleted, message "NO FILES" will appear. When you press the ◀ button in this case, the FOLDER select screen will be restored.

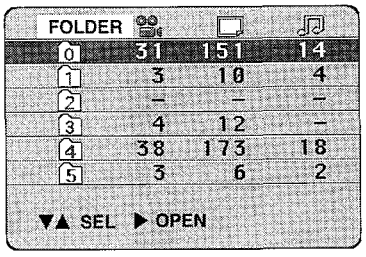
ENGLISH

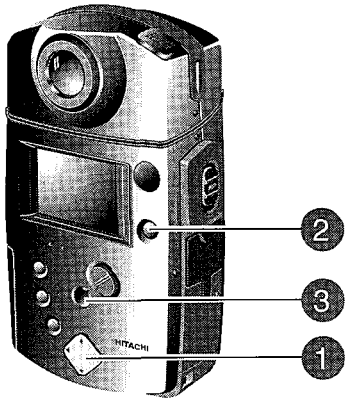
Deleting All Files in Folder

You can delete all files in a folder at one time.

* It is recommended that you use AC power supply.
* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* Take great care when deleting files, since the files you have deleted once cannot be restored.
* You can also use the remote control to operate.

FOLDER Select Screen

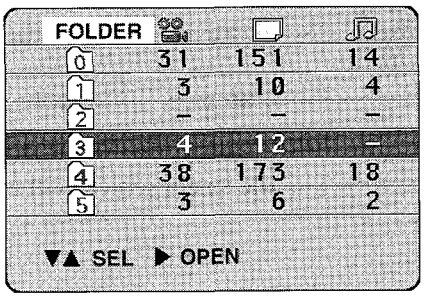




1 Select a folder.

Press ▼ and ▲ to select the folder you want to clear.

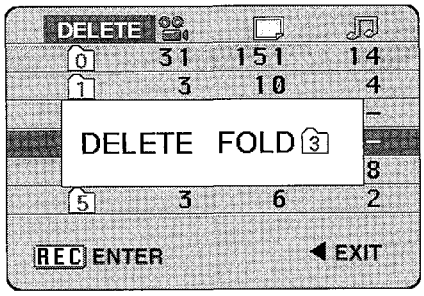
File Select Screen (with thumbnails)



2 Press the DELETE button.

The message "DELETE FOLD (selected folder number)" will appear.

* To cancel deletion, press the ◀ button or DELETE button



3 Execute deletion.

Press the REC button (or the START/STOP button on the remote control) and deletion will be executed.

When deletion is completed, the FOLDER select screen will be restored.

* All files which have been locked will remain. See page 54 to unlock the protection of file.
* Make sure you want to delete all files in the folder before pressing the REC button

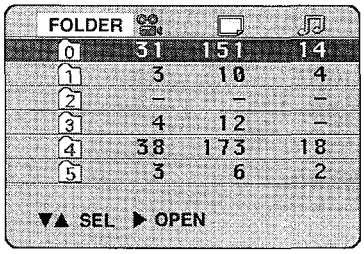
ENGLISH

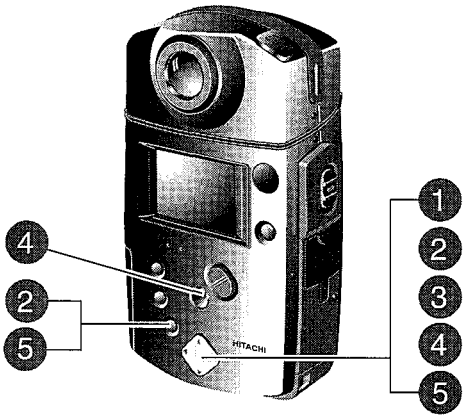
Protecting Files (LOCK/UNLOCK menu item)

You can lock files to protect them from accidental deletion. The protected file can be unlocked by the same procedure as locking.

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.

FOLDER Select Screen

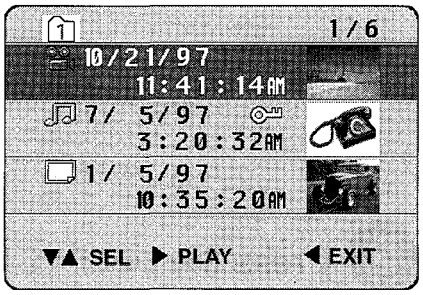




1 Display the file select screen.

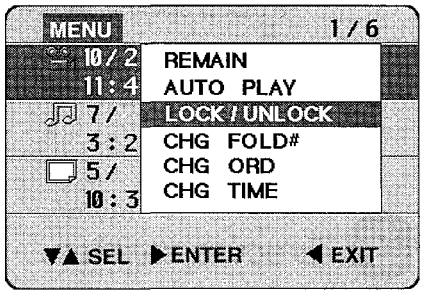
Press ▼ or ▲ with the FOLDER select screen to select the folder containing the file you want to lock, and then press ▶ . The file select screen will appear.

File Select Screen (with thumbnails)



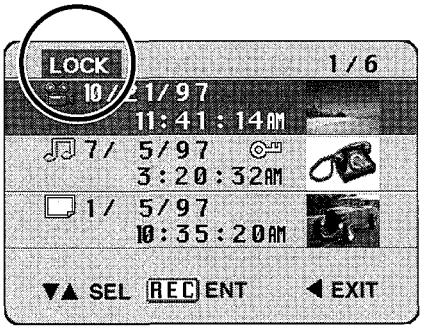
2 Display the menu and select LOCK/UNLOCK.

Press the MENU button to display the menu, and press ▼or ▲ to select LOCK/UNLOCK.



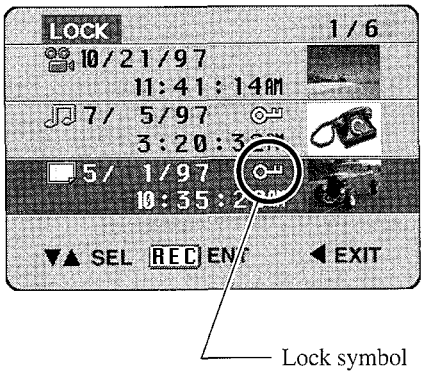
3 Display the LOCK/UNLOCK setting screen.

Press ▶ .
The menu will disappear and the LOCK/UNLOCK setting screen will appear.



4 Select a file and lock or unlock it.

Press ▼ or ▲ to select the file you want to lock or unlock, and then press the REC button.
Pressing the REC botton switches between locking and unlocking of the file and switches the lock symbol on or off.
You will be able to lock or unlock another file by performing steps 4 - 5.



5 Exit the LOCK/UNLOCK menu item.

Press the ◀ button or MENU button.
Pressing ◀ exits the LOCK/UNLOCK setting and restores the file function setting menu (the screen in step 2).
Pressing MENU exits the LOCK/UNLOCK setting and restores the file select screen (shown in step 1).

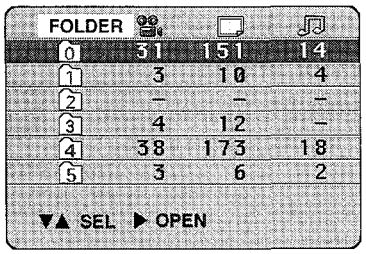
ENGLISH

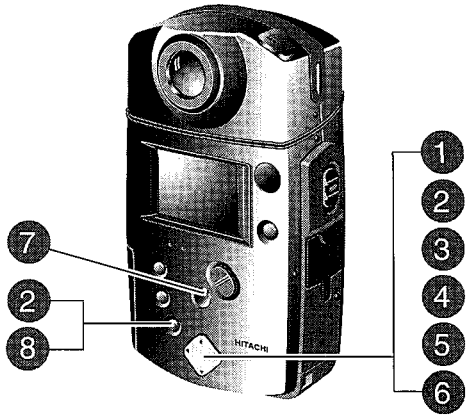
Changing the Display Order of Files (CHG ORD menu item)

You can rearrange files in a folder: to move a file you frequently play to the top of file list, change the display order in a folder for auto play, etc.

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

FOLDER Select Screen

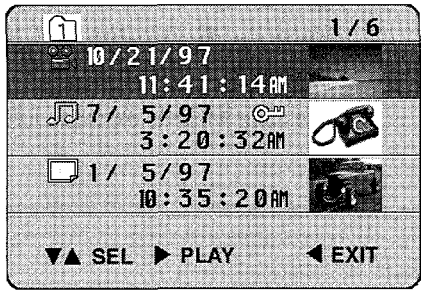




1 Display the file select screen.

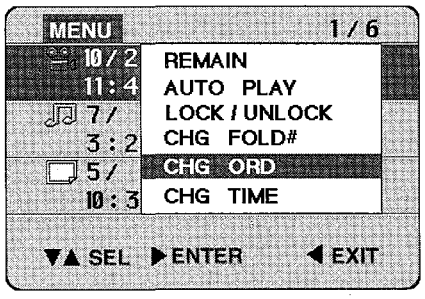
Press ▼ or ▲ with the FOLDER select screen to select the folder containing files whose display order you want to change, and then press ▶ .
The file select screen will appear.

File Select Screen (with thumbnails)



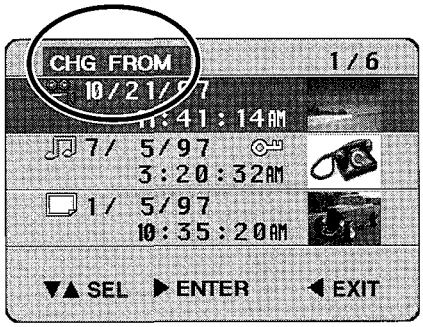
2 Display the menu and select CHG ORD.

Press the MENU button to display the menu, and press ▼ or ▲ to select CHG ORD.



3 Display the screen for changing display order of files.

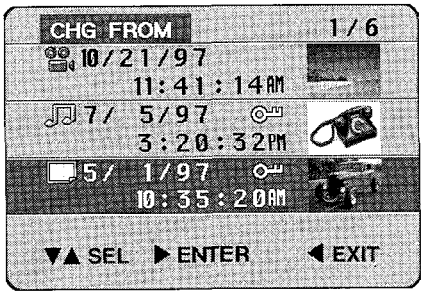
Press ▶ .
The menu will disappear and the screen for changing display order of files will appear.



4 Select the file whose display order you want to change.

Press ▼ or ▲ to select the file whose display order you want to change.

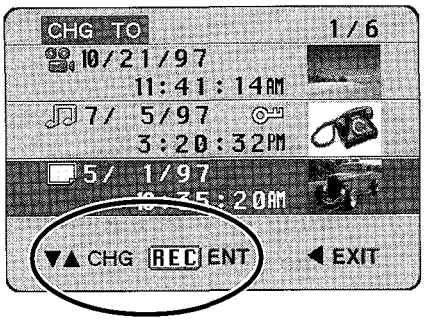
* You can also change the display order for files with lock symbol (⚿).



5 Display the screen for selecting the location where you want to move the file.

Press ▶ .

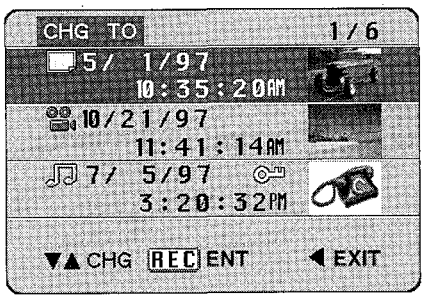
The screen will change to that for deciding the location where the file is to be moved.



6 Move the file to your designated location.

Press ▼ or ▲ .

Each time ▼ or ▲ is pressed, the display position of the selected file will change.



7 Execute the change of the file display order.

Press the REC button (or the START/STOP button on the remote control).

The change of display order has been decided. You can continue to change the display order of other files by repeating steps 4-7

.

8 Exit the CHG ORD menu item.

Press the ◀ button or MENU button.

Pressing ◀ exits the display order change menu item and restores the file function setting menu (the screen in step 2).

Pressing MENU exits the display order change menu item and restores the file select screen (shown in step 1).

ENGLISH

Auto Play of Desired Files

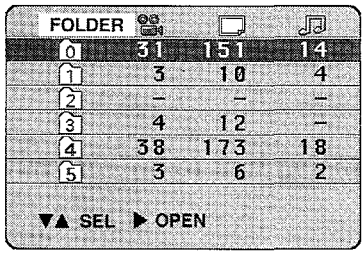
You can automatically play desired files in sequence after gathering them in one folder. There are two ways of auto play: playing all files in a folder or only specified files in it.

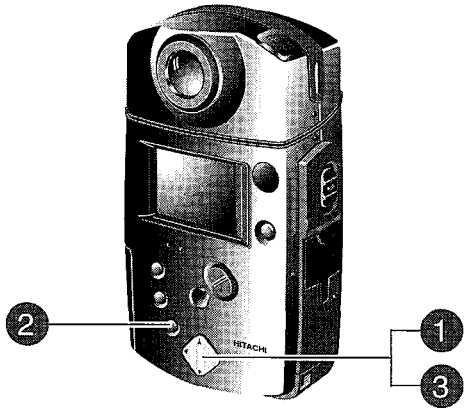
* Still pictures are displayed for about three seconds during auto play, and the next file will follow.

Auto play of all files in a folder

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

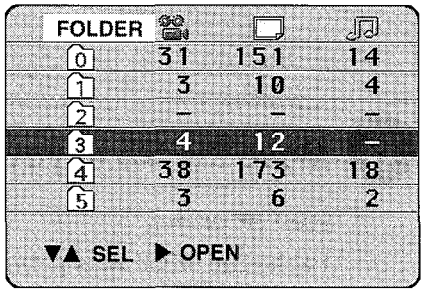
FOLDER Select Screen





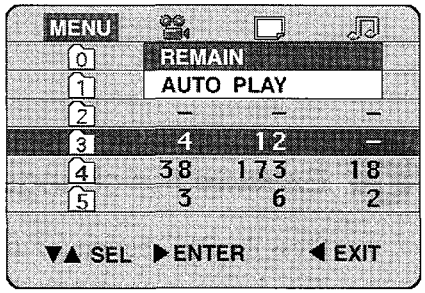
1 Select a folder.

Press ▼and ▲ to select the folder whose files you want to play automatically.



2 Display the menu.

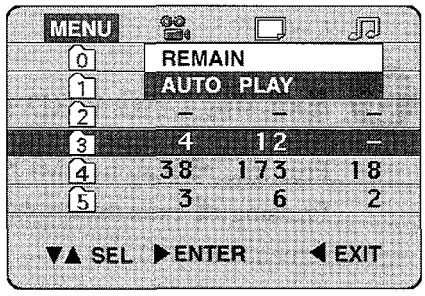
Press the MENU button to display the menu.



3 Select AUTO PLAY.

Press ▼ or ▲ to select AUTO PLAY, and then press ▶ .
The files in the selected folder will be played in sequence, starting from the file at the end of list. When auto play of all files is finished, the FOLDER select screen will be restored.

* You can change the order of files in a folder. (See "Changing the Display Order of Files" on page 56.)



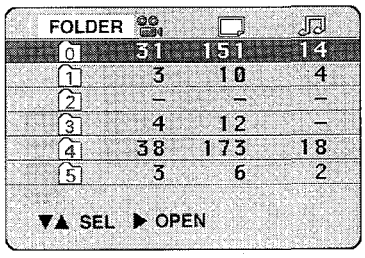
To cancel auto play midway

Press ◀ .
Auto play will be interrupted and the FOLDER select screen will be restored.

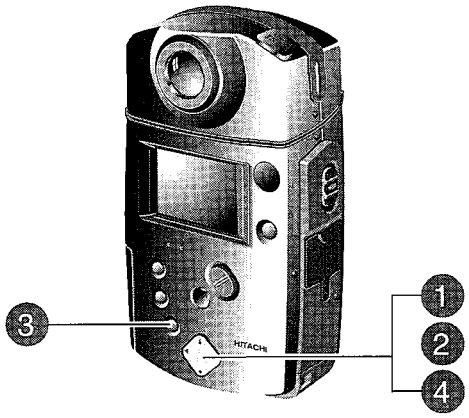
Auto play specifying files in folder

You can specify a file in the folder and start auto play from that file, followed by all files listed above that file.

FOLDER Select Screen



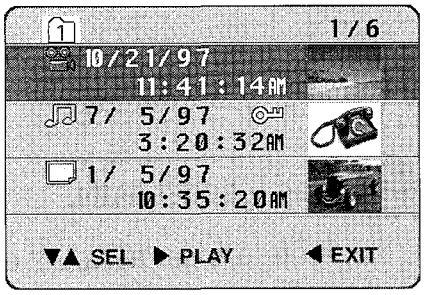
* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* See "Changing the Display Order of Files" on page 56 when you want to rearrange files in a folder.
* You can also use the remote control to operate.



1 Select a folder.

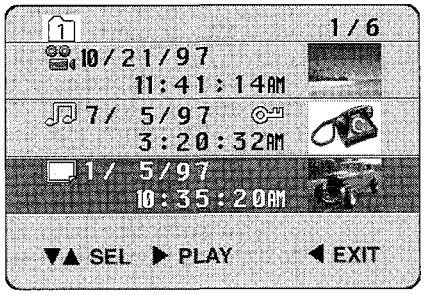
Press ▼ or ▲ with the FOLDER select screen to select the folder containing the files for auto play, and then press ▶ .
The file select screen will appear.

File Select Screen (with thumbnails)



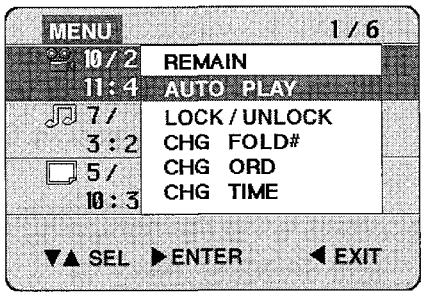
2 Select the file.

Press ▼ or ▲ to select the file from which you want to start auto play.



3 Display the menu.

Press the MENU button to display the menu.



4 Select AUTO PLAY.

Press ▼ or ▲ to select AUTO PLAY, and then press ▶ .
Auto play will start from the selected file, which will be followed by files listed above this one in sequence. When auto play of the top file in the list is finished or press ◀ , the file select screen will be restored.

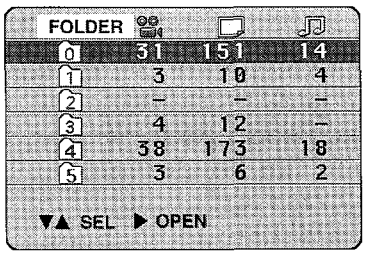
ENGLISH

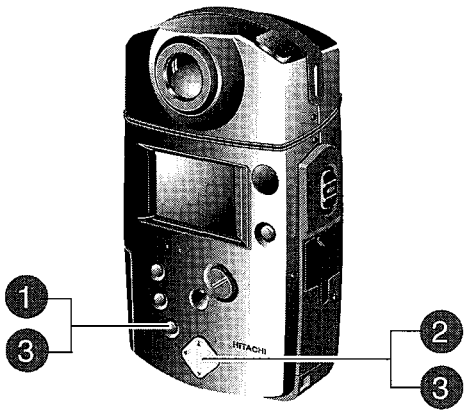
Checking Free Memory Area of PC Card (REMAIN)

Check the remaining free memory area of PC card before you start to record. You can do this by the following procedure:

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

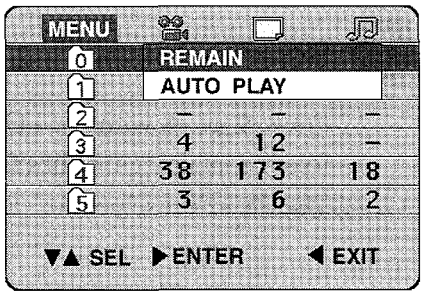
FOLDER Select Screen





1 Display the menu.

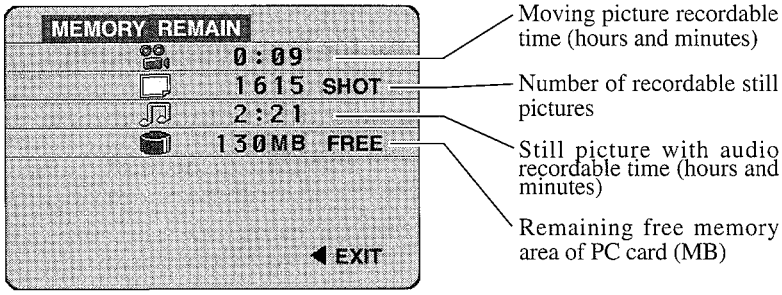
Press the MENU button.
The following menu will appear.



2 Select REMAIN.

Make sure that REMAIN is highlighted, and then press ▶ .
The screen showing the remaining memory area will appear as shown below.

* The REMAIN screen shows the recordable time of moving pictures (), or number of still pictures () or time of still picture with audio (), when you use only one of 3 kinds of record mode. Therefore, you cannot store all of these time lengths and numbers. Also, remember that the values displayed on this screen are reference only and may be different from actual ones.

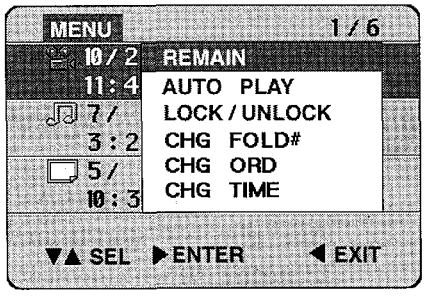


3 Exit the REMAIN screen.

Press the ◀ button or MENU button.
Pressing ◀ exits the REMAIN screen and restores the menu (screen in step 1).
Pressing MENU exits the REMAIN screen and restores the FOLDER select screen.

Reviewing the remaining memory screen from the file select screen.

You can also review the remaining memory area of PC card when the file select screen is displayed.
Press the MENU button with the file select screen. The following menu will appear: Select REMAIN and press ▶ .

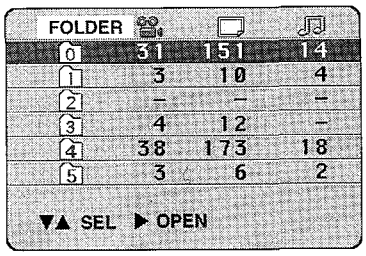


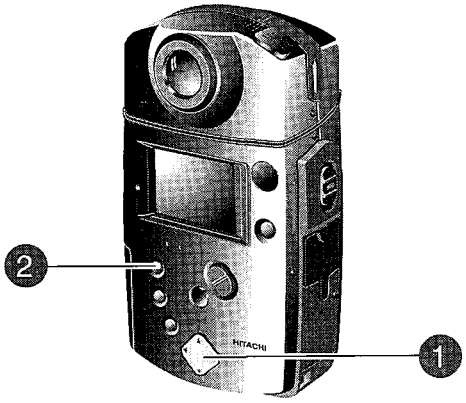
Switching Thumbnail Display On or Off

You can switch the thumbnail display on and off with the file select screen. If thumbnail display is switched off, you can display six files on the screen at a time.

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

FOLDER Select Screen



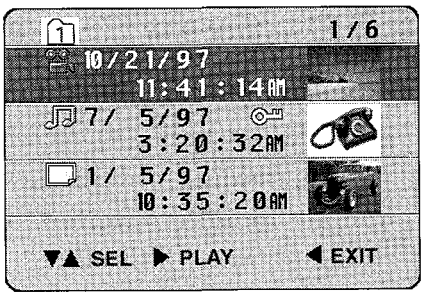


1 Display the file select screen.

Press ▼ or ▲ with the FOLDER select screen to select a folder with files, and press ▶ .

* When you switch off a thumbnail, no thumbnails will be displayed no matter which folders you select.

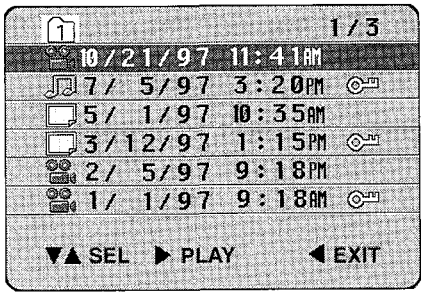
File Select Screen (with thumbnails)



2 Press the REC MODE/THUMBNAIL button.

Thumbnails will disappear and six files will be displayed on one screen. Pressing the button again switches on the thumbnails display.

* When using the remote control, press the REC MODE/THUMBNAIL button
* You cannot switch on or off the thumbnail display while the menu is displayed, a folder is being changed (see page 48), or the recording date/time are being changed (see page 62).



File Select Screen (without thumbnails)

If the thumbnail display is not possible with files recorded by equipment other than MP-EG1A, [?] will appear in place of thumbnails.

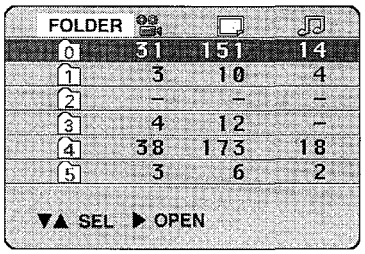
ENGLISH

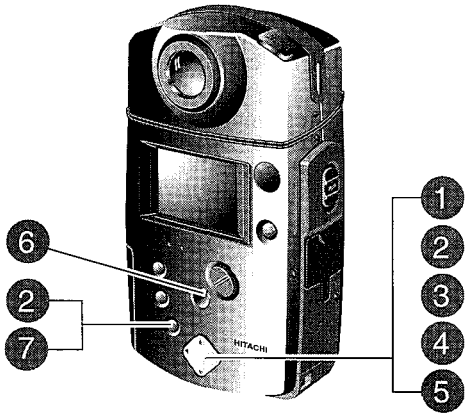
Correcting File Recording Date/Time (CHG TIME menu item)

When the internal clock goes wrong because of consumption of the built-in battery, the date and time on which you start to record will not be recorded correctly. In this case, charge the built-in battery, correct the clock, and also correct the file recording date/time by the following procedure.

* Start Media Navigation (see page 44) and display the FOLDER select screen to start.
* You can also use the remote control to operate.

FOLDER Select Screen

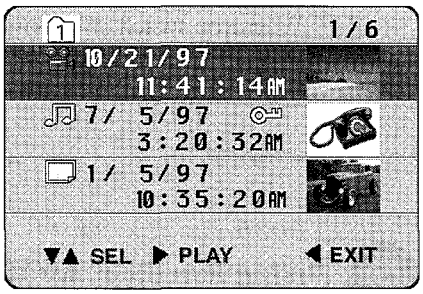




1 Display the file select screen.

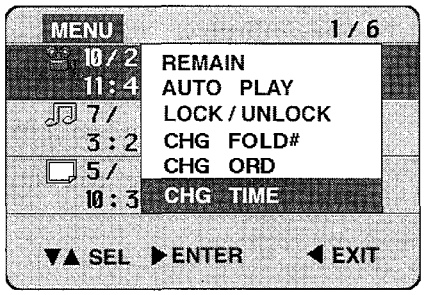
Press ▼ or ▲ with the FOLDER select screen to select the folder containing the file where you want to correct the recording date/time, and then press ▶ .
The file select screen will appear.

File Select Screen (with thumbnails)



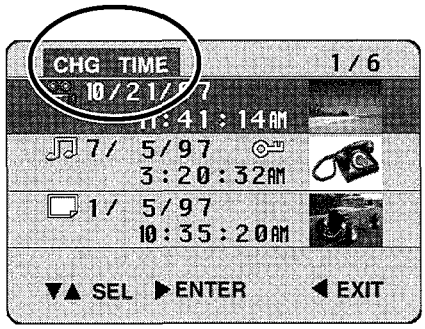
2 Display the menu and select CHG TIME.

Press the MENU button to display the menu, and press ▼or ▲ to select CHG TIME.



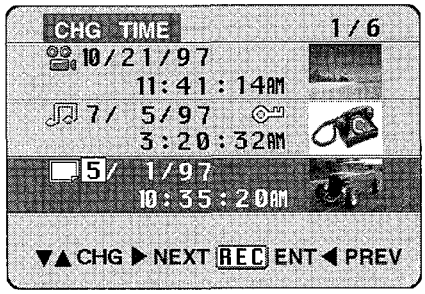
3 Display the screen for correcting the recording date/time.

Press ▶ .
The menu will disappear and the screen for correcting the recording date/time will appear.



4 Select the file where you want to correct the recording date/time.

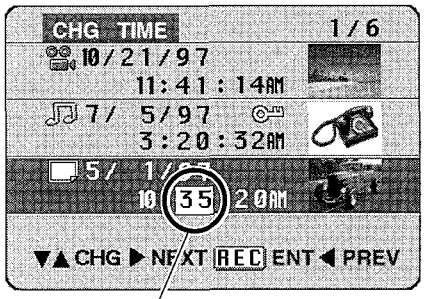
Press ▼ or ▲ to select the file whose recording date/time you want to correct, and then press ▶ .
The month displayed in the selected file will be highlighted.
The date will appear in this order : month, day, year.



5 Correct the recording date/time.

Press ▶ or ◀ to highlight the number you want to correct, and then press ▲ or ▼ to increase or decrease it.

* The seconds display counts up or down in 2-second units



6 Enter the corrected date/time.

After correcting all the incorrect numbers, press the REC button (or the START /STOP button on the remote control).
You can continue to change file recording date/time by repeating steps 4 - 7.

* To cancel change of recording date/time, press the MENU button before pressing REC. The recording date/time will not change, and recording time/date change menu will finish.

7 Exit the CHG TIME menu item.

Press the ◀ button or MENU button.
Press ◀ exits the recording date/time correct menu item and restores the file function setting menu (the screen in step 2).
Pressing MENU exits the recording date/time correct menu item and restores the file select screen (shown in step1).

ENGLISH

Chapter 6

Using the MP-EG1A with Other Equipment

This section explains how to use the MP-EG1A with a TV or a personal computer. Read it thoroughly before connecting the MP-EG1A to a TV or personal computer.
The MP-EG1A output signal is in the NTSC 3.58MHz format only.

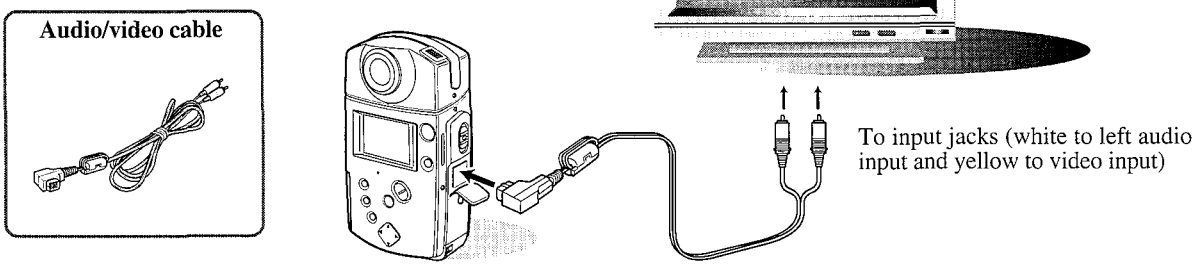
Connecting to TV and viewing playback pictures 66
Personal computers to which MP-EG1A can be connected 67
Connecting to your personal computer 68
Transferring files to your personal computer 69
Personal computers to which files can be transferred directly 70

Connecting to TV and Viewing Playback Pictures

Connecting the MP-EG1A to your TV, you can view the recorded pictures and the pictures being recorded on your large TV screen.You need the AV cable provided.
The MP-EG1A output signal is in the NTSC 3.58MHz format only.

Connecting to TV

See the following figure and use the AV cable to connect the MP-EG1A to your TV.


Audio/video cable
To input jacks (white to left audio input and yellow to video input)
To AV output/PC connection terminal (behind the lid)

Viewing Playback Pictures on TV

1 Set the input selector of your TV (with NTSC 3.58MHz) to the VCR position.

2 Start recording or playback with the MP-EG1A.

3 You can view the pictures, with sound, on the TV screen.

Adjust the audio volume on the TV.

* When you connect the AV cable, the MP-EG1A's LCD monitor goes off, and no sound is output from the speaker even if power is supplied. However, the volume buttons on the MP-EG1A are functioning meantime. Do not set the volume setting too high : the sound at set volume will be output from the speaker when the AV cable is taken off.
* The quality of moving pictures is less than that of still pictures. This is because the resolution of each picture is different. When an image with fine patterns is recorded and played back in the moving picture mode, some imperfections may be seen in the picture, since the MP-EG1A uses the video compression system. These may be conspicuous when viewing on the connected TV screen, but their phenomenon does not indicate a fault.

Using the remote control

You can use the remote control to record or play back while you monitor the pictures on the TV screen.

* Recording: See "Recording Your Portrait Using the Remote Control"on page 35.
* Playback: See "Playback Using the Remote Control" on page 41.

Personal Computers to which the MP-EG1A Can Be Connected

A personal computer which is to be connected to the MP-EG1A should have the following:

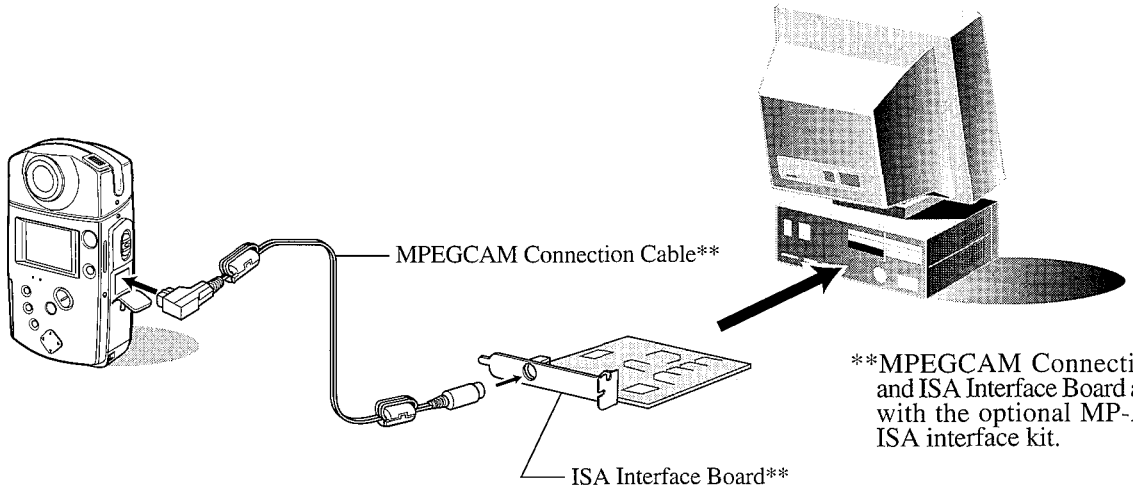
Computer	IBM® PC/AT® Compatible machine
OS	Microsoft® Windows® 95 Operating System
CPU	Pentium® at least 100MHz (133MHz or more is recommended)
Display	640 x 480 or more, 256 colours (which appear simultaneously) or more
Slot	Should have an empty ISA bus slot or PC card typeIII slot.
Sound source	SoundBlaster compatible sound source (it may not be possible to play moving pictures and still picture with audio on computers without SoundBlaster installed)
Built-in memory	At least 16MB (32MB or more is recommended)
Free memory area of HDD	80MB or more (including Windows® 95 swap memory area) when you install all application software packed with the MP-EG1A.
Miscellaneous	CD-ROM drive (4-times speed is recommended)
	1.44 MB 3.5" floppy disk drive
	Speaker

Connecting to Your Personal Computer

Connection with an exclusive ISA board:

For connection to an IBM® PC/AT® compatible desktop personal computer, you need the ISA interface kit. See "Available Accessories" on page 95.

* The exclusive transfer application software PureVi is stored in the CD-ROM packed with the MP-EG1A.
* The ISA communication driver is packed with the ISA interface kit.



**MPEGCAM Connection Cable and ISA Interface Board are packed with the optional MP-ADI1AW ISA interface kit.

WARNING : MPEGCAM Connection Cable must be connected to ISA Interface Board . If MPEGCAM Connection Cable is connected to another jack, MP-EG1A and personal computer may be broken down.

Transferring Files to Your Personal Computer

How to transfer files when the MP-EG1A is connected to an exclusive ISA board:

* Power the MP-EG1A using the AC adapter/charger during connection to a computer.
* Do not operate the files in the MP-EG1A with applications other than the PureVi transfer application software. Operating another transfer application software is in danger of malfunctions.
* Make sure that the PC card is in the MP-EG1A.

1 Set the power switch to PC.

Hold down the red button at the centre of the switch and set the switch to PC.

* Before turning power on, make sure that the MP-EG1A is connected to the computer correctly. (See page 68)

2 Run PureVi on the computer.

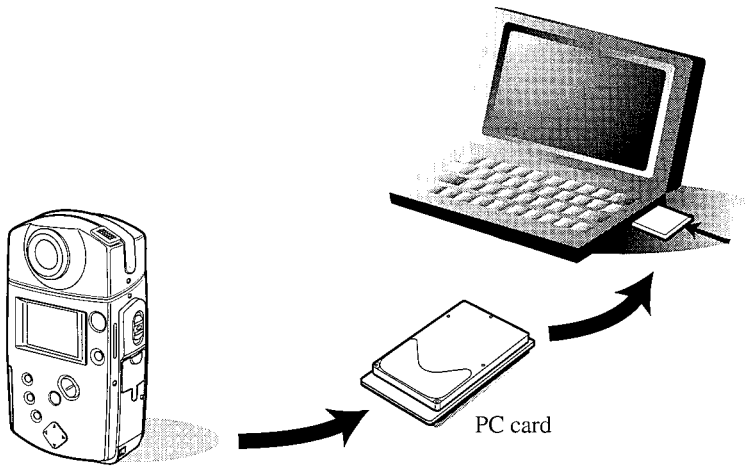
See the PureVi help menu for operation that follows.

* No buttons on the MP-EG1A can be operated during this connection (except ZOOM/VOL button).

Personal Computers to which Files Can Be Transferred Directly

If your notebook-sized personal computer has a PC card type III slot, or your personal computer has a PC card reader, insert the PC card into the computer to transfer data directly to the computer.

* Use the PureVi exclusive transfer application software when transferring files on PC card to the computer.
* The PureVi transfer application software is stored in the CD-ROM packed with the MP-EG1A.
* Do not use the PC card as a storage device for a personal computer If you do so, we cannot guarantee the fidelity of the stored data and subsequent MP-EG1A operation.



Chapter 7

Menu Settings

This section explains how to operate the on-screen menu for desired settings. Refer to each item necessarily.

Switching the recording function type (REC SET UP) 72

Setting recording interval (INTERVAL) 74

Switching auto power off setting (ENERGY SAVE ON) 76

Switching on-screen display on and off (DISPLAY ON/OFF) 78

Switching off LCD monitor (LCD) 79

Adjusting picture on LCD monitor (PICTURE ADJ) 80

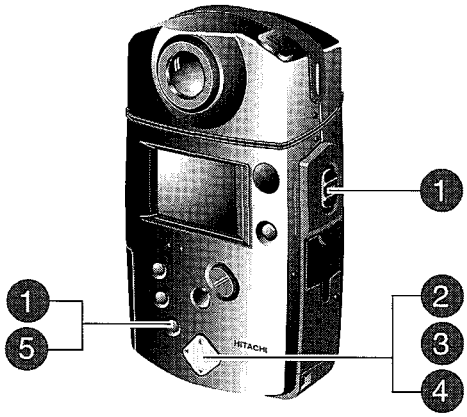
Initializing the PC card 82

* See "Setting the date and time" on page 22 for setting the internal clock.

Switching the Recording Function Type (REC SET UP)

You can switch the recording function type between NORM and CLIP when recording (see page 30).

* You can also use the remote control to set this.



1 Display the SET-UP screen and select INITIAL.

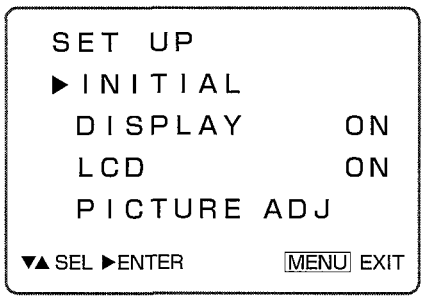
Set the CAM/OFF/PLAY switch to CAM or PLAY and press the MENU button.

Make sure that you select INITIAL.

* If you have started Media Navigation, terminate it.

* If the CAM/OFF/PLAY switch is set to PLAY, LCD ON will not be displayed.

SET-UP screen



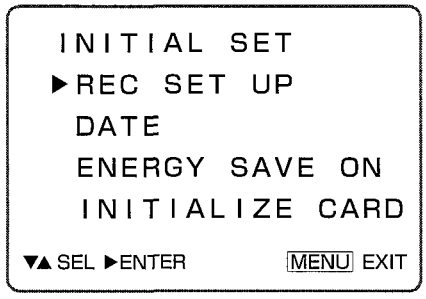
2 Display the INITIAL SET screen and select REC SET UP.

Press ▶ to display the INITIAL SET screen.

Make sure that you select REC SET UP.

* If the CAM/OFF/PLAY switch is set to PLAY, INITIALIZE CARD will not be displayed.

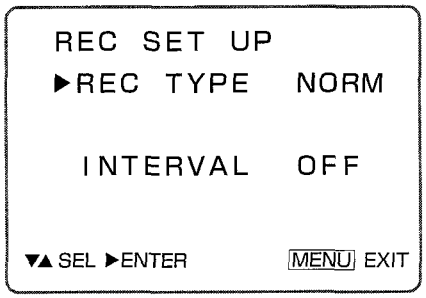
INITIAL SET screen



3 Display the REC SET UP screen.

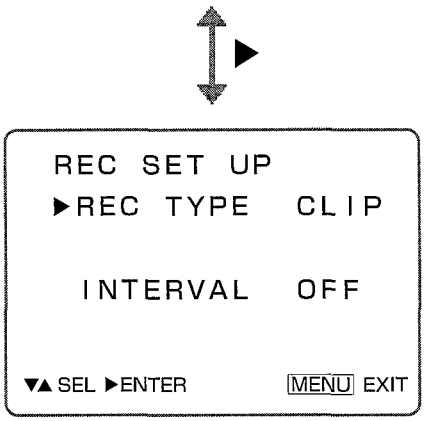
Press ▶ . The screen for setting up for recording will appear.

REC SET UP screen



4 Switch the REC TYPE setting.

Press ▼ or ▲ to select REC TYPE and then press ▶ .
Pressing ▶ alternates REC TYPE between NORM and CLIP.



5 Finish the setting.

Press the MENU button.
The REC SET UP setting has finished, and the SET-UP screen will disappear.

* Even when you do not press MENU, the setting will be finished automatically 60 seconds after the setting is completed, and the SET-UP screen will disappear

The REC button works as follows.

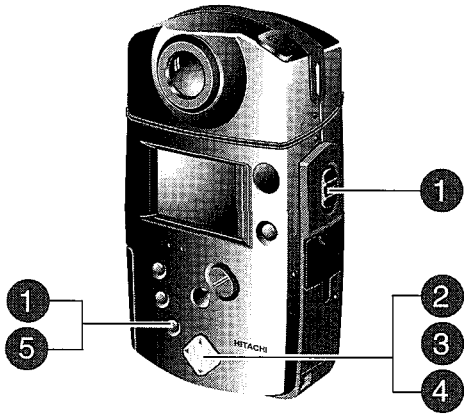
- ***When set to NORM :***
  When the button is pressed, recording starts, and when it is pressed again, recording stops.
- ***When set to CLIP :***
  When the REC button is held down, recording continues while the button is held ; when the button is released, recording stops.

ENGLISH

Setting Recording Interval (INTERVAL)

You can automatically record still pictures at an interval specified with this setting.

* You can also use the remote control to set this.



1 Display the SET-UP screen and select INITIAL.

Set the CAM/OFF/PLAY switch to CAM and press the MENU button.
Make sure that you select INITIAL.

SET-UP screen

```
SET UP
▶INITIAL
 DISPLAY      ON
 LCD          ON
 PICTURE ADJ
▼▲ SEL ▶ENTER   MENU EXIT
```

2 Display the INITIAL SET screen and select REC SET UP.

Press ▶ to display the INITIAL SET screen.
Make sure that you select REC SET UP.

INITIAL SET screen

```
INITIAL SET
▶REC SET UP
 DATE
 ENERGY SAVE ON
 INITIALIZE CARD
▼▲ SEL ▶ENTER   MENU EXIT
```

3 Display the REC SET UP screen.

Press ▶ .
The screen for setting up for recording will appear.

REC SET UP screen

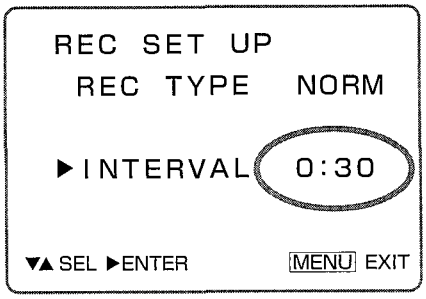
```
REC SET UP
▶REC TYPE   NORM

 INTERVAL   OFF

▼▲ SEL ▶ENTER   MENU EXIT
```

4 Set the interval time.

Press ▼ or ▲ to select INTERVAL, and then press ▶ to set the interval time.
Each time ▶ is pressed, the interval time will change from OFF to 0:30 (30 seconds), 1:00 (1 minute), 5:00 (5 minutes) and back to OFF.



5 Finish the setting.

Press the MENU button.
The interval setting has finished, and the SET-UP screen will disappear.

* Even when you do not press MENU, the setting will be finished automatically 60 seconds after the setting is completed, and the SET-UP screen will disappear.

ENGLISH

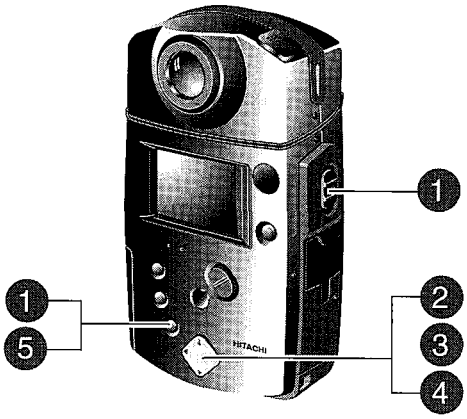
Details of each setting

- ***OFF :***
  Still pictures are recorded normally.
- ***0:30, 1:00, 5:00 :***
  Still pictures are automatically recorded at intervals of 30 seconds, 1 minute, 5 minutes each. (See "Recording still pictures at intervals" on page 32.)

Switching Auto Power Off Setting (ENERGY SAVE ON)

The auto power off function automatically turns the MP-EG1A off when it is left unoperated for 5 minutes after power is on. The auto power off setting is initially set for on, but you can change it.

* You can also use the remote control to set it.



1 Display the SET-UP screen.

Set the CAM/OFF/PLAY switch to CAM or PLAY and press the MENU button.

* If you have started Media Navigation, terminate it.
* If the CAM/OFF/PLAY switch is set to PLAY, LCD ON will not be displayed.

SET-UP screen

```
SET UP
▶INITIAL
 DISPLAY        ON
 LCD            ON
 PICTURE ADJ
▼▲ SEL ▶ENTER   MENU EXIT
```

2 Display the INITIAL SET screen.

Press ▶.
The INITIAL SET screen will appear.

* If the CAM/OFF/PLAY switch is set to PLAY, INITIALIZE CARD will not be displayed

INITIAL SET screen

```
INITIAL SET
▶REC SET UP
 DATE
 ENERGY SAVE ON
 INITIALIZE CARD
▼▲ SEL ▶ENTER   MENU EXIT
```

3 Switch to ENERGY SAVE setting.

Press ▼ or ▲ to select ENERGY SAVE, and then press ▶.
Pressing ▶ alternates between ENERGY SAVE ON and OFF.

```
INITIAL SET
 REC SET UP
 DATE
▶ENERGY SAVE ON
 INITIALIZE CARD
▼▲ SEL ▶ENTER   MENU EXIT
```

4 Finish the setting.

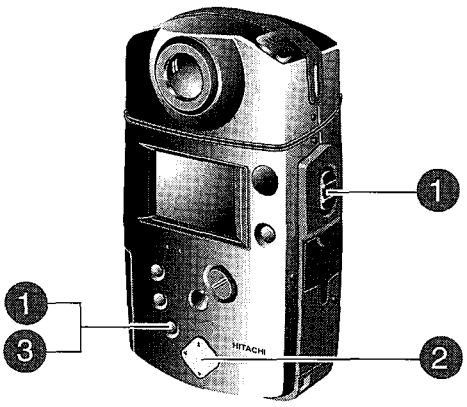
Press the MENU button.

The ENERGY SAVE ON/OFF setting has finished, and the SET-UP screen will disappear.

* Even when you do not press MENU, the setting will be finished automatically 60 seconds after the setting is completed, and the SET-UP screen will disappear.

Switching ON-Screen Display On and Off (DISPLAY ON/OFF)

You can switch on or off the information displayed on the LCD monitor. (See page 15)



ENGLISH

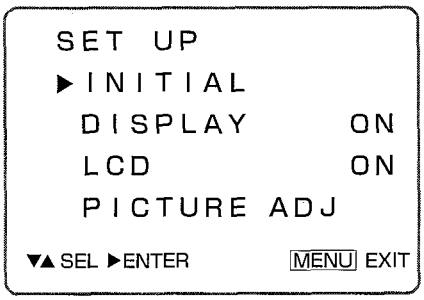
1 Display the SET-UP screen.

Set the CAM/OFF/PLAY switch to CAM or PLAY and press the MENU button.

* If you have started Media Navigation, terminate it.

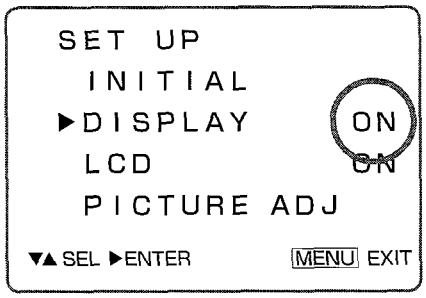
* If the CAM/OFF/PLAY switch is set to PLAY, LCD ON will not be displayed

SET-UP screen



2 Switch DISPLAY between ON and OFF.

Press ▼ or ▲ to select DISPLAY, and then press ▶ .
Pressing ▶ alternates between DISPLAY ON and OFF.



3 Finish the setting.

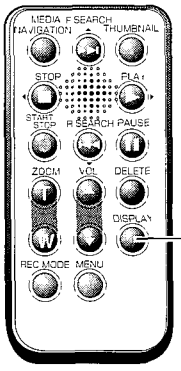
Press the MENU button.

The DISPLAY ON/OFF setting is finished, and the SET-UP screen will disappear.

* Even when you do not press MENU, the setting will be finished automatically 60 seconds after the setting is completed, and the SET-UP screen will disappear.

Using the remote control to switch to the on-screen display directly:

Press the DISPLAY button on the remote control. Pressing it alternates between on and off of the on-screen display.

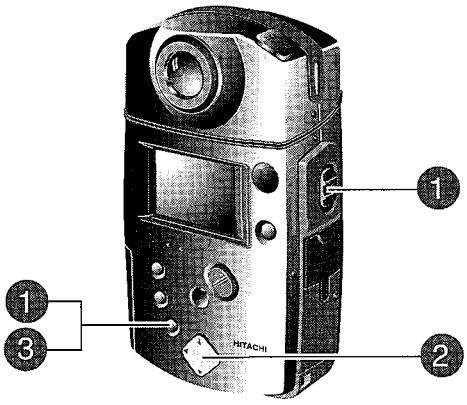


DISPLAY button

Switching Off LCD Monitor (LCD)

To save battery power, you should switch off the LCD monitor when you are not viewing the LCD screen such as recording of audio with still picture.

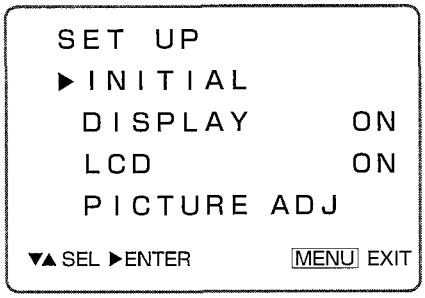
* You can also use the remote control to set this.



1 Display the SET-UP screen.

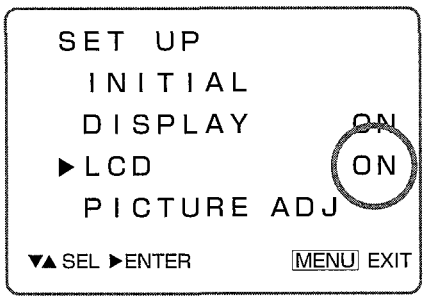
Set the CAM/OFF/PLAY switch to CAM and press the MENU button.

SET-UP screen



2 Switch LCD between ON and OFF.

Press ▼ or ▲ to select LCD, and then press ▶ .
Pressing ▶ alternates between LCD ON and OFF.



3 Finish the setting.

Press the MENU button.
If you have specified LCD OFF, the picture will disappear by pressing MENU. When you have specified LCD ON, the LCD ON/OFF setting has finished and the SET-UP screen will disappear.

* Even when you do not press MENU, the setting will be finished automatically 60 seconds after the setting is completed.

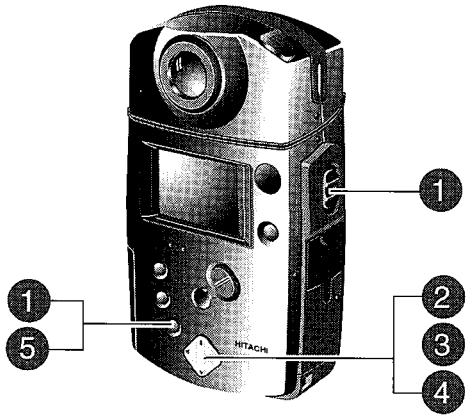
To switch on the LCD monitor.

The LCD monitor will turn on, when you press the MENU button. LCD ON will set automatically when power is turned on again after it has been off.

Adjusting Picture on LCD Monitor (PICTURE ADJ)

You can adjust brightness, colour density and tint of the picture on the LCD screen.

* You can also use the remote control to adjust.
* When the AV cable is connected, the LCD monitor switches off, and you cannot adjust the picture.

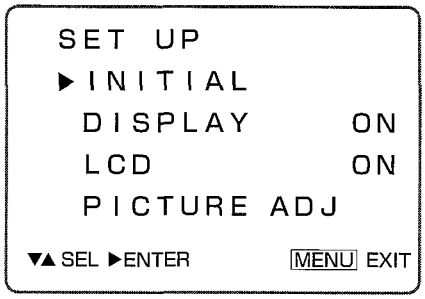


1 Display the SET-UP screen.

Set the CAM/OFF/PLAY switch to CAM or PLAY and press the MENU button.

* If you have started Media Navigation, terminate it.
* If the CAM/OFF/PLAY switch is set to PLAY, LCD ON will not be displayed.

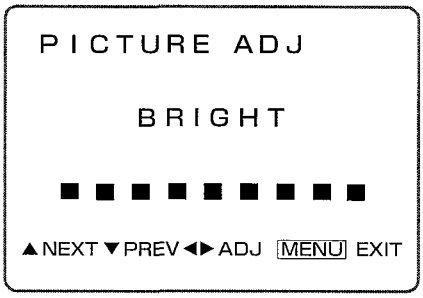
SET-UP screen



2 Display the LCD picture adjustment screen.

Press ▼ or ▲ to select PICTURE ADJ, and then press ▶ .
The LCD picture adjustment screen will appear.

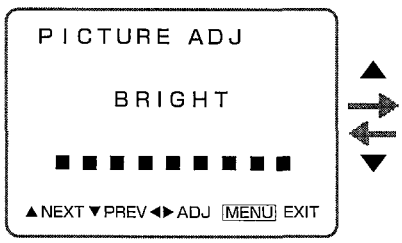
PICTURE ADJ screen



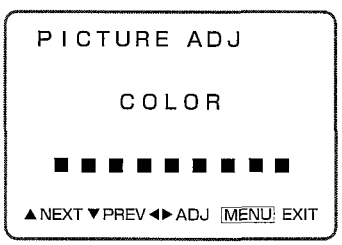
3 Switch to the screen for the adjustment item.

Press ▲ , and the COLOR adjustment screen will appear. Press ▲ again, and the TINT adjustment screen will appear.
Pressing ▼ switches to the previous adjustment screen.
Use ▲ and ▼ to display the adjustment screen you want.

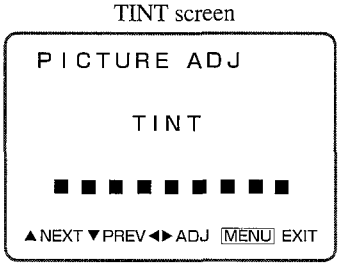
BRIGHT screen



COLOR screen



TINT screen



BRIGHT screen

4 Adjust.

Press ▶ and ◀ to adjust.
As you adjust each item, the picture displayed on the LCD monitor will change.

Perform steps 3 and 4 to adjust necessary items.

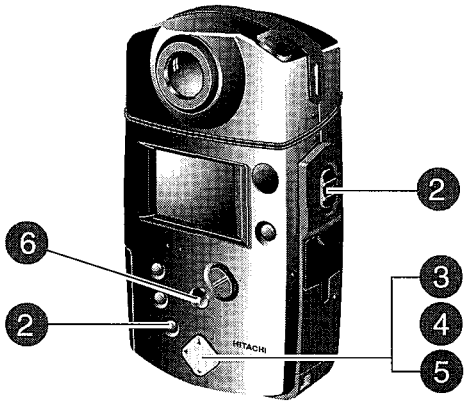
5 Finish PICTURE ADJ.

Press the MENU button.
The LCD picture adjustment is finished, and the SET-UP screen will disappear.

* Even when you do not press MENU, adjustment will be finished automatically 60 seconds after each adjustment screen is left displayed, and the SET-UP screen will disappear.

Initializing the PC Card

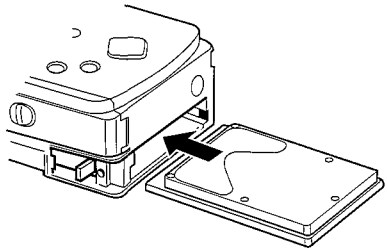
If you want to erase all files stored on the PC card, initialize the PC card by the following procedure:



* It takes about 10 minutes to initialize the PC card, use the AC adapter/charger (MP-AC1E) to power the MP-EG 1A.
* During initializing the PC Card, do not vibrate the MP-EG1A and never turn power off.
* You can initialize a used PC card to return it to unused state. However, take great care when doing so because all data recorded on the PC card, including locked files, will be erased.
* Initializing the PC card is done in a roon temperature. If not, a fault could result.
* Be sure to initialize the PC card by inserting it into the MP-EG1A. If a personal computer, etc is used to initialize it, a fault could result.

1 Insert the PC card into the MP-EG1A.

Turn power off and insert the PC card to be initialized.
Connect the MP-EG1A to the AC adapter/charger, plugged into AC outlet, to power the MP-EG1A. (See page 20)



2 Display the SET UP screen and select INITIAL.

Set the CAM/OFF/PLAY switch to CAM and press the MENU button.
Make sure that INITIAL has been selected.
* The PC card cannot be initialized in the PLAY mode.

SET-UP screen

```
SET UP
▶INITIAL
 DISPLAY        ON
 LCD            ON
 PICTURE ADJ
▼▲ SEL ▶ENTER   MENU EXIT
```

3 Display the INITIAL SET screen.

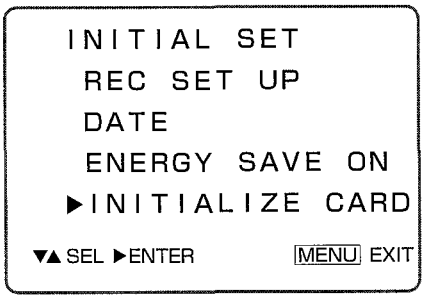
Press ▶ , and the INITIAL SET screen will appear.

INITIAL SET screen

```
INITIAL SET
▶REC SET UP
 DATE
 ENERGY SAVE ON
 INITIALIZE CARD
▼▲ SEL ▶ENTER   MENU EXIT
```

4 Select INITIALIZE CARD.

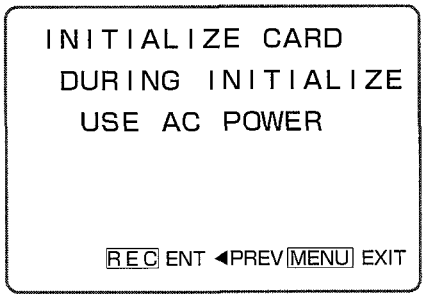
Press ▼ or ▲ to select the INITIALIZE CARD.



5 Display the INITIALIZE CARD screen.

Press ▶ .
The INITIALIZE CARD screen will appear.

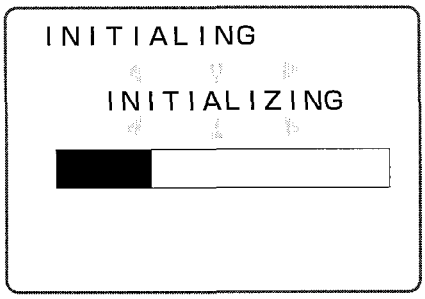
INITIALIZE CARD screen



6 Execute the initialization.

Press REC button.
The screen showing that initialization is being executed will appear.
When initialization is finished, the original screen will be restored.

* It takes about 10 minutes for the initialization to finish.
* Initializing cannot be cancelled midway.



Are you certain about "yes" for initializing this PC card?

Make absolutely sure before initializing.
Once the PC card has been initialized, all files including locked ones will be erased, and you cannot restore them.

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Chapter 8

Subsidiary Information

This section shows various information, including what to do when you are in trouble. Refer to each item as needed.

Tips on battery pack 86

Cleaning 88

When trouble messages appear 88

Troubleshooting guide 89

Terminology 92

Index 93

Major specifications 94

Accessories add excitement 95

Tips on Battery Pack

The MP-EG1A uses a lithium-ion rechargeable battery pack. Make sure you understand the performance and characteristics of this battery for skillful and safe use.

Charging

Always charge the battery just before using the MP-EG1A.
If you store the battery after charging without using the MP-EG1A, the battery will discharge on its own. Therefore, it is recommended that you do not charge immediately after using the MP-EG1A, but immediately before using it. It is not necessary to discharge the battery or use it up.
Charge the battery where the ambient temperature is 10-30°C. The lower the temperature, the more difficult the charging.
To ensure good battery performance, the MP-AC1E exclusive adapter/charger has a protection circuit which stops charging automatically when the temperature is too low. Therefore, the battery cannot be charged at a temperature of 5°C or less.

Storing

Remove the battery from the MP-EG1A and store it in a cool place.
Storing it at a high temperature could shorten the life of the battery.

Usable time

A fully charged battery can power the MP-EG1A to continuously record moving picture for about 40 minutes at normal temperature. However, if you use the zoom and start/stop operation frequently in actual recording, the usable time will be half to one-third of the above. The battery will also discharge in the following cases :
· When the CAM/OFF/PLAY switch is set to CAM (recording pause);
· When the CAM/OFF/PLAY switch is set to PLAY.
Remember that the usable time is reduced when using the MP-EG1A in a cold place.

Battery remaining level indicator

When the remaining battery level is low during recording or recording pause, the message, low battery level, will appear.
A short time after " ▭ " flashes, the MP-EG1A will turn off automatically to prevent the battery from over-discharging.
When " ▭ " is displayed, the battery may be near full charge " ▬ " or low charge " ▭ ".

Cautions when using the battery pack

· ***The battery cannot be charged when the CHARGE indicator of the AC adapter/charger is flashing:***
If you try to charge the battery which has been left unused for a long time, the CHARGE indicator of the AC adapter/charger may flash. In this case, remove the battery and re-attach it. If the CHARGE indicator continues to flash, the battery may be defective or dead, and you need a new battery.

· You cannot charge the battery, if the DC power cord is connected to the AC adapter/charger. Before charging the battery, be sure to unplug the DC power cord from the AC adapter/charger.

· ***Remove the battery after using the MP-EG1A:***
When the battery is left in the MP-EG1A, a minute level current will flow even when the CAM/OFF/PLAY switch is set to OFF, and the battery will discharge.

Battery life

· ***If you repeat nearly complete charging at normal temperature, you can use the battery to power the MP-EG1A 500 times:***
The life of battery will vary greatly depending on the ambient temperature and how often it is used. If the usable time is very short even when the battery is fully charged, it is going dead.

Disposal of battery

Do not dispose of a dead battery with ordinary garbage, or throw it into fire.

Do not use AC adapter/chargers or batteries other than those specified.
Prohibition : Even if they are the same shape, the performance will be different, and leakage of liquid or generation of heat could result.
With the MP-EG1A:
· Use the MP-AC1E AC adapter/charger.
· Use the MP-BP1A battery.

Be sure not to disassemble, modify (solder, etc.), heat or throw the battery into fire.
Prohibition : This could cause leakage of liquid, generation of heat, or explosion.

Do not allow metal (a necklace, a bobby pin, etc.) to contact the battery terminals (+ and -).
Prohibition : This could cause leakage of liquid, generation of heat, or explosion.
· Do not put the battery into a vinyl bag with metallic objects.

Leakage of liquid from battery

· ***If the liquid leaked from the battery adheres to your hand, clothes, rinse it away immediately with tap water.***

· ***If the liquid gets in your eye, you could lose the eyesight. Do not rub it, but immediately rinse it with clean water and see a doctor.***

Cleaning

Be sure to turn the MP-EG1A off before cleaning it.

If dirt adheres to the LCD screen or lens :

Wipe it off with a soft, dry cloth. When cleaning the LCD screen, do not use force or strike it.

Do not wipe case with benzene or thinner :

The coating of case could peel off or the case could deteriorate. When using a chemical cleaning cloth, follow the instructions for use.
Wipe off dirt on the case with a moist cloth which has been completely wrung out.

When Trouble Messages Appear

Various messages may appear when you are operating the MP-EG1A. Perform troubleshooting accordingly.

Message	Cause	Troubleshooting
MEMORY IS ALMOST FULL	Free memory area of PC card is small.	Stop recording, and delete unnecessary files to increase free memory area, or replace the PC card.
END OF MEMORY	No free memory area of PC card	
INSERT CARD	PC card is not inserted, or PC card that cannot be used with the MP-EG1A is inserted.	Insert PC card, or replace it with the MP-HD260 PC card.
INVALID CARD TYPE	PC card that cannot be used with the MP-EG1A is inserted.	Replace it with the MP-HD260 PC card.
INITIALIZE CARD	PC card which is not initialized has been inserted.	Initialize it (see page 82).
—/—/—— —:—AM (date/time digits flash)	The clock has not been set or the built-in battery has discharged.	Charge the built-in battery (see page 24) and set the date and time (see page 22).
CARD LOCK (flashes)	The temperature of PC card is too high, because of extended use.	Turn the MP-EG1A off, leave it for 10-20 minutes and wait until the message disappears.

Troubleshooting Guide

Check to following. If the suggested solutions still cannot restore MP-EG1A to normal, do not attempt to repair yourself, but consult the video store where you purchased it.

	Symptom	Check to see	Correction	Reference page
Power supply	Power goes off immediately after being turned on.	Is battery pack discharged?	Charge it.	18
	Power goes off midway.	Have you continued pause during recording for 5 minutes or more? The auto power off function has operated.	Press the PLAY or REC button. (You can disable auto power off (see page 76)	30
		Have you continued stop or pause during playback for 5 minutes or more? The auto power off function has operated and power has turned off automatically.	Press the PLAY or REC button. (You can disable auto power off (see page 76)	30
	Battery weakens fast or its usable time is short.	Are you using MP-EG1A where the temperature is extremely low?	The usable time is much shorter in cold places. Prepare extra batteries.	87
		The battery may be dead.	Replace it.	87
	Battery cannot be charged.	You cannot charge battery when the CHARGE indicator of AC adapter/charger is flashing. Charging may not be possible where the temperature is lower than 5°C.	When the CHARGE indicator flashes, remove the battery and re-attach it. If it continues to flash, the battery may be dead.	87
		Is DC power cord plugged into the AC adapter/charger?	Unplug it.	18
		Is battery inserted correctly?	Make sure of the orientation.	18
During recording	Recording does not start if you press the REC button.	Is CAM/OFF/PLAY switch set to PLAY?	Set it to CAM.	29
	Recording stops after you press the REC button.	Is recording function type set to CLIP? CLIP setting allows recording only when REC is held.	Switch it to NORM.	72
		Does the record mode indicator for recording of still pictures or consecutive still pictures light?	Recording does not continue if the record mode is set to still picture or consecutive still pictures.	15

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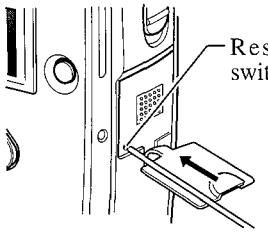
	Symptom	Check to see	Correction	Reference page
During recording	Even when recorded files are few, the number of recordable still pictures is small or audio recordable time is short.	Do many of the recorded files have complicated patterns?	The number of recordable still pictures or the time of recordable audio varies depending on the pattern complication of recorded pictures.	13
	Audio recordable time is short.	Are you recording audio, repeating recording pause?	Since still pictures are recorded during every recording pause, the audio recordable time is short. The audio recordable time also varies depending on audio content.	
	No picture appears on the LCD monitor.	Has LCD OFF been specified?	Press the MENU button to display the SET UP screen, and specify LCD ON.	79
		Is AV cable connected?	Unplug it.	66
	LCD screen is difficult to see.	Is LCD screen adjusted properly?	Press the MENU button to display the SET UP screen, and the adjust the picture with the PICTURE ADJ screen.	80
		Is the MP-EG1A being used outdoors? The LCD screen is difficult to see in a bright place.	Attach the provided sunshade.	28
	Subject cannot be focused.	Is the MP-EG1A too near to the subject?	The MP-EG1A allows minimum distance recording as close as 28 cm to the subject at W position of zoom. If it is brought much nearer, the subject cannot be focused.	30
	Recording cannot be done.	Are you using the specified PC card?	Use the MP-HD260 PC card.	13
During Playback	Playback cannot be done if you press the PLAY button.	Is CAM/OFF/PLAY switch set to CAM?	Set it to PLAY.	38
		Was the MP-EG1A subjected to force or shocks?	The MP-EG1A has possibly been destroyed.	
		Was the file recorded by other equipment?	It may be impossible to play the file recorded by other equipment (MPEG file, etc. transferred from computer). Play the file recorded by the MP-EG1A.	
		Did you operate the file with software (explorer, etc.) other than that provided?	Operating the file in PC card with software other than the one provided could destroy the file.	
	No picture appears on the LCD monitor.	Has LCD OFF been specified?	Press the MENU button to display the SET UP screen, and specify LCD ON.	79

	Symptom	Check to see	Correction	Reference page
During Playback	No picture appears on the LCD monitor.	Is AV cable connected?	Unplug it.	66
	No playback picture appears on TV and no sound is heard from TV.	Is the TV input selector set correctly?	Set it to VCR.	66
		Is MP-EG1A connected to the TV correctly?	Correct the connection.	
Miscellaneous	Power does not come on. No button operation is accepted.		Remove the battery. After about one minute, press the reset switch with a fine tip rod. Then re-attach the battery and try to operate MP-EG1A. Since the internal clock is initialized to the value at the factory, set the date and time (see page 22).	
	The date and time are incorrect.	Was MP-EG1A left unused for a long time?	The built-in battery may have discharged Charge it, and then set the date and time (see page 22).	24
	PC card cannot be ejected.	Is CAM/OFF/PLAY switch set to OFF?	Set it to OFF, and then remove the PC card.	13 • 21
		Have you removed battery or unplugged DC cord before setting the CAM/OFF/PLAY switch to OFF?	Power MP-EG1A from battery or DC cord, and then set the CAM/OFF/PLAY switch off.	
		Is the bottom of MP-EG1A hot?	If the PC card is hot after MP-EG1A is used for a long time, the eject lever will not work for safety reasons. Leave MP-EG1A off for approx. 10-20 minutes.	
	The remote control cannot operate MP-EG1A.	Are you pointing the remote control to the MP-EG1A's infrared receiver?	Point it to the infrared receiver.	35 • 41
		Is fluorescent light or sunlight directly striking the infrared receiver?	The remote control cannot operate MP-EG1A if strong light strikes the infrared receiver. Adjust the location or angle of MP-EG1A so that light does not strike the infrared receiver.	
		Is the litium battery inserted into the remote control?	Insert it.	25
		Is the remote control battery discharged?	If so, the remote control distance will be short. Replace the battery.	

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Terminology (As of July 1997)

Application software

Software which is run by users on an OS. Typical are word processing software, spreadsheet program, painting software, etc.

CD-ROM (Compact Disk Read-Only Memory)

Large-capacity read-only memory. A compact disc in which files are stored. It is possible to read data at high speed.

CPU (Central Processing Unit)

A component that is the centre of computer. It receives data from an input device, computes and stores it, then transfers resultant data to an output device.

Driver software

Software which provides OS with a specified device. Once installed, user need not be concerned about use.

Hard disk

Conventionally, a fixed storage of personal computer. Although it is not as handy as a floppy disk or MO disk, it can store mass data at high speed. Recently, detachable and card type hard disks has been marketed.

Homepage

Introduction for information to be provided on Internet, which can be created using still pictures, audio and moving pictures.

ISA (Industry Standard Architecture)

16-bit bus interface standard used with IBM® PC/AT® compatible machines.

Initialization

A task done so that hard disk, MO disk, floppy disk, etc. can be used with personal computers. This is also referred to as formatting.

Internet

More advanced network of computer networks. In this system, computers in the world are connected to one network.

JPEG (Joint Photographic coding Experts Group)

One of the national standards for colour still picture compression system. This system has become popular worldwide and is used to create Internet homepage, etc. The file extension is generally ".jpg".

MO disk (Magnetic Optical disk)

A storage device, from/to which data is read and written using the magnet-optical system. It is able to store much more data.

MPEG 1 (Moving Picture Experts Group 1)

One of the international standards for colour moving picture compression system. This is one of the most efficient moving picture compression systems, as of July, 1997. An MPEG 1 decoding hardware or MPEG 1 decoding software is necessary to play back pictures. The file extension is generally ".mpg".

Multimedia Contents

Electronic publications configured by various types of data, including characters, moving pictures, still pictures, audio, etc.

OS (Operating System)

Software that manages other programs, data, hardware, etc., to process the task given to computer.

PC card

A credit-card sized card that can be easily inserted into personal computer from outside. PC card is the formal name for cards conforming to the PCMCIA (personal computer memory card international association) standard. PC cards are divided into type I, II and III, depending on their thickness.

Pentium®

The 32-bit CPU developed by Intel Corporation.

RAM (Random Access Memory)

The memory, from/to which data can be read and written at random.

Thumbnail

A small still picture, used with many types of image indexing software.

Windows® 95 (Microsoft® Windows® 95 Operating System)

The OS developed by Microsoft Corporation, which is very popular as an OS for personal computers.

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ENGLISH

Major Specifications

Model	MP-EG1A
Power supply	7.2 V DC
Power consumption	6.5 W
Weight	approx. 385 g (MP-EG1A only) approx. 540 g (with MP-BP1A battery pack and MP-HD260 PC card)
I/O terminals	Video out (NTSC 3.58MHz), audio out (monaural), PC (special serial port)
Compression systems	Moving pictures : MPEG1 Still picture : Conforming to JPEG Audio : Conforming to MPEG Audio
Battery usable time	approx. 40 minutes (when recording moving pictures continuously at normal temperature)
Storage device	MP-HD260 PC card
Speaker output	200 mW
Permissible operating temperature/humidity	0-40°C / 80% or less
Image sensor	1/4" CCD Total number of pixels: approx. 390,000 Effective number of pixels: approx. 360,000
Built-in microphone	Monaural
Automatic sensitivity adjustment range	20-100,000 lux
Minimum required illumination	14 lux for moving pictures 5 lux for still pictures
Liquid crystal display panel	Image size: 1.8" Number of dots: 61,380
Lens	6x zoom lens (when 2x digital zoom is used concurrently) F2.4f = 3.6-10.8mm
Minimum distance recording	Possible as close as 28 cm (at W position of zoom)
Maximum recording time*	Moving pictures: approx. 20 minutes Still picture with audio: approx. 4 hours (with MP-HD260 PC card)
Maximum number of recordable still pictures	approx. 3,000 (with MP-HD260 PC card)
External dimensions	83 (W) x 143.5 (H) x 56 (D) mm

* See "PC card" on page 13 for details.
Specifications are subject to change without notice.
There are pixels which always light on the LCD monitor, but this does not indicate a fault

Accessories Add Excitement

We know that once you discover how much your Hitachi MP-EG1A can add to your life you will want to use these accessories for even more excitement. Hitachi takes you to wherever your imagination leads.

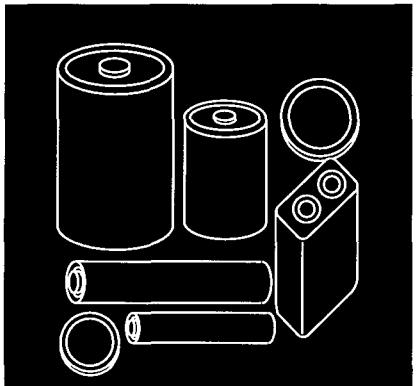
Available Accessories

PARTS NO.	Accessories
MP-BP1A	Battery pack

PARTS NO.	Interface Kit
MP-ADI1AW	ISA Interface kit Use this kit to connect the MP-EG1A to a IBM® PC/AT® compatiblel desktop personal computer. Components provided in the kit : · ISA interface board · MPEGCAM connection cable · ISA communications driver (3.5" floppy disk) · Instruction manual · Warranty (· Warranty for USA/Canada)

ENGLISH

ENGLISH



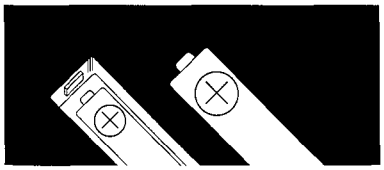
BATTERY SAFETY GUIDELINES

PLEASE PHPTOCOPY AND DISPLAY

USed correctly, domestic batteries are a safe and dependable source of portable power. Problems can occur if they are misused or abused- resulting leakage or, in extreme cases, fire or explosion.

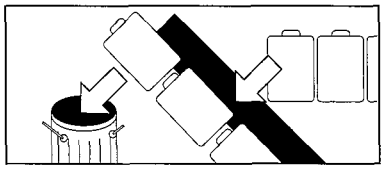
Here are some simple guidelines to safe battery use designed to eliminate any such problems.

ALWAYS



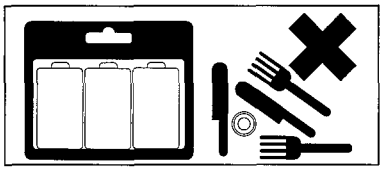
Take care to fit your batteries correctly, observing the *plus* and *minus* marks on the battery and appliance Incorrect fitting can cause leakage or, in extreme cases, fire or even an explosion

ALWAYS



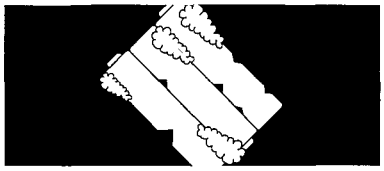
Replace the whole set of batteries at one time, taking care not to mix old and new batteries or batteries of different types, since this can result in leakage or, in extreme cases, fire or even an explosion

ALWAYS



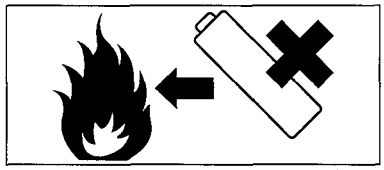
Store unused batteries in their packaging and away from metal objects which may cause a short-circuit resulting in leakage or, in extreme cases, fire or even an explosion

ALWAYS



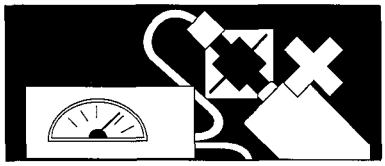
Remove dead batteries from uquipment and all batteries from equipment you know you are not going to use for a long time Otherwise the batteries may leak and cause damage

NEVER



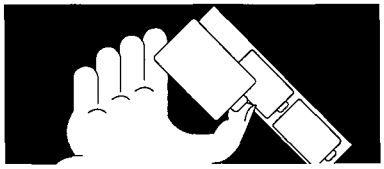
Never dispose of batteries in fire as this can cause them to explode Please put dead batteries in with the normal household waste

NEVER



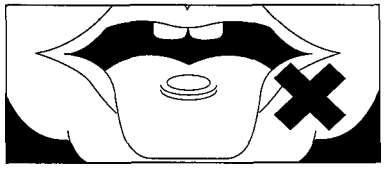
Never attempt to recharge ordinary batteries, either in a charger or by applying heat to them They may leak, cause fire or even explode There are special rechargeable batteries which are clearly marked as such

ALWAYS



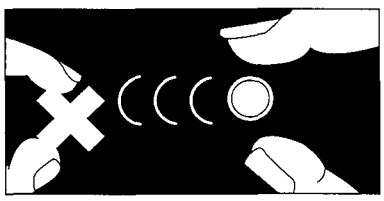
Supervise children if they are replacing batteries themselves in order to ensure these guidelines are followed

ALWAYS



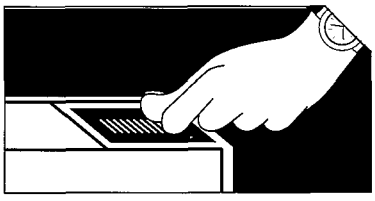
Remember that small button cell batteries such as used in some hearing aids, toys, games and other appliances, are easily swallowed by young children and this can be dangerous

ALWAYS



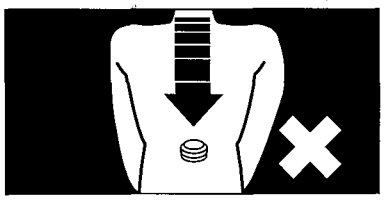
Keep loose button cells away from young children

ALWAYS



Make sure battery compartments are secure

ALWAYS



Seek medical advice if you believe a cell has been swallowed

PUBLISHED BY THE BRITISH BATTERY MANUFACTURERS ASSOCIATION 7 BUCKINGHAM GATE, LONDON SW1E6JS

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

★★★★★★★★★★

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.
DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.
DO be careful with glass panels or doors on equipment.

★★★★★★★★★★

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.
DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.
DON'T use makeshift stands and ***NEVER*** fix legs with wood screws – to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.
DON'T allow electrical equipment to be exposed to rain or moisture.
ABOVE ALL

- ***NEVER*** **let anyone especially children push anything into holes, slots or any other opening in the case – this could result in a fatal electrical shock;**
- ***NEVER*** **guess or take chances with electrical equipment of any kind**
- **it is better to be safe than sorry!**

★★★★★★★★★★

HITACHI - YOUR GUARANTEE OF EXCELLENCE (for UK only)

For the period of **12 MONTHS** from the date of purchase your product has the benefit of our **FULL PARTS AND LABOUR GUARANTEE** as detailed below.
We undertake to replace or repair any part of the product which fails due to manufacturing defect within 12 months of the date of purchase provided that:

1) The product has been installed and used only in accordance with the instructions supplied with the product.
2) The product has not been repaired, maintained, or modified by any person other than our authorised Engi neer.
3) The product serial number is not removed or altered.

This guarantee does not apply to products acquired secondhand or for commercial or communal use.
This guarantee does not extend to user control adjustments, battery replacement and aerial adjustment.
Any parts replaced under guarantee shall become the property of Hitachi Home Electronics (Europe) Ltd.
Please note that evidence of the date of purchase will be required before service under guarantee is carried out.
This guarantee does not affect your statutory rights. In all cases of difficulty consult your Hitachi dealer.

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